FINAL Site Inspection Report Biggs OB Site II

Environmental Remediation Services at Four Installation Restoration Program Sites and Military Munitions Program Sites at Fort Bliss, Texas

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ACRONYMS AND ABBREVIATIONS

°F	degrees Fahrenheit				
BAAF	Biggs Army Airfield				
bgs	below ground surface				
CAPE	Cape Environmental Management Inc				
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act				
COC	chemicals of concern				
COPC	contaminants of potential concern				
CSM	conceptual site model				
DERP	Defense Environmental Restoration Program				
DGM	digital geophysical mapping				
DMM	Discarded Military Munitions				
DoD	Department of Defense				
DQO	data quality objective				
FS	Feasibility Study				
ft.	feet				
GPS	global positioning system				
HE	high explosive				
HMX	octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine				
ISM	Incremental Sampling Method				
ISO	industry standard object				
IVS	Instrument Verification Strip				
kg	kilogram				
LANL	Los Alamos National Laboratory				
LOQ	limit of quantitation				
MC	munitions constituent				
MD	munitions debris				
MEC	munitions and explosives of concern				
mg/kg	milligrams per kilogram				

ACRONYMS AND ABBREVIATIONS (continued)

mm	millimeter		
MMRP	Military Munitions Response Program		
MPC	measurement performance criteria		
МРРЕН	material potentially presenting an explosive hazard		
MRS	munitions response site		
N/A	not applicable		
NCP	National Oil and Hazardous Substances Pollution Contingency Plan		
NRCS	Natural Resources Conservation Service		
OB/OD	open burn / open detonation		
PAH	polynuclear aromatic hydrocarbon		
PAL	project action limit		
PCL	Protective Concentration Level		
PETN	pentaerythritol tetranitrate		
PWS	Performance Work Statement		
QC	quality control		
RDX	hexahydro-1,3,5-trinitro-1,3,5-triazine		
RG	regulatory guidance		
RI	remedial investigation		
SARA	Superfund Amendments and Reauthorization Act		
SI	site inspection		
SIM	selective ion monitoring		
SLRA	screening level risk assessment		
SOP	Standard Operating Procedure		
SU	sampling unit		
TCEQ	Texas Commission on Environmental Quality		
TCRA	Time Critical Removal Action		
Tetryl	Methyl-2,4,6-trinitrophenylnitramine		
TRRP	Texas Risk Reduction Program		

ACRONYMS AND ABBREVIATIONS (continued)

TWDB	Texas Water Development Board			
UFP-QAPP	Uniform Federal Policy – Quality Assurance Project Plan			
U.S.	U.S. United States			
USAEC	U.S. Army Environmental Command			
USC	U.S. Code			
USEPA	U.S. Environmental Protection Agency			
UXO	unexploded ordnance			
VSP	Visual Sample Plan			

GLOSSARY OF TERMS

Anomaly	Any item that deviates from the expected subsurface ferrous and non-ferrous material at a site (i.e., pipes, power lines, etc.).			
magnetometer	An instrument for measuring the strength of a magnetic field; used to detect buried iron and other metal objects.			
All ammunition products and components produced for or by the armed forces for national defense and security, incl ammunition products or components under the control of Department of Defense, the Coast Guard, the Department Energy, and the National Guard. The term includes corning gaseous, liquid, and solid propellants; explosives, pyrotect chemical and riot control agents, smokes, and incending including bulk explosives and chemical warfare again chemical munitions, rockets, guided and ballistic mist bombs, warheads, mortar rounds, artillery ammunition, arms ammunition, grenades, mines, torpedoes, depth characteristics and components thereof.				
munitions and explosives of concern (MEC)	Military munitions that may pose unique explosives safety risks, including unexploded ordnance, discarded military munitions, or munitions constituents present in high enough concentrations to pose an explosive or other health hazard.			
munitions constituents (MC)	Any materials originating from unexploded ordnance, discarded military munitions, or other military munitions, including explosive and nonexplosive materials, and emission, degradation, or breakdown elements of such ordnance or munitions.			
munitions debris (MD)	Remnants of munitions (e.g., penetrators, projectiles, shell casings, links, fins) remaining after munitions use, demilitarization, or disposal.			
munitions response	Response actions, including investigation, removal actions, and remedial actions, to address the explosive safety, human health, or environmental risks presented by unexploded ordnance, discarded military munitions, or munitions constituents; or to support a determination that no removal or remedial action is required.			
munitions response site (MRS)	A discrete location known to require a munitions response.			

GLOSSARY OF TERMS (continued)

projectile	Object projected by an applied force and continuing in motion by its own inertia. This includes bullets, bombs, shells, grenades, guided missiles, and rockets.		
unexploded ordnance (UXO)	Military munitions that have been primed, fuzed, armed, or otherwise prepared for action; that have been fired, dropped, launched, projected, or placed in such a manner as to constitute a hazard to operations, installation, personnel, or material; and that remain unexploded whether by malfunction, design, or any other cause.		

EXECUTIVE SUMMARY

- **ES.1** The objective of this site inspection (SI) was to evaluate the potential presence of munitions and explosives of concern (MEC) and munitions constituents (MC) at OB Site II at Biggs Army Airfield (BAAF) at Fort Bliss in El Paso, Texas. The primary objective and purpose of the SI is the determination, using digital geophysical mapping (DGM) surveys and MC sampling, as to whether the site should be recommended for immediate action (Time Critical Removal Action [TCRA]), subsequent characterization actions (such as a Remedial Investigation [RI]/Feasibility Study [FS]), or no further action.
- **ES.2** The Army identified Biggs OB Site II as a possible munitions disposal area. There is very little documentation on the history or activities performed at the investigation site. Based on inference from the history of BAAF, the historical use of the site may date back to the Army during World War II. According to the 2013 Memorandum to File (Fort Bliss, 2013), the only visual evidence of possible disposal activities inside the 14-acre site boundary is a possible pit and a mound. While open burn/open detonation (OB/OD) Site I, a confirmed former munitions disposal site located 0.9 miles to the south of OB Site II, was shown on a Historic Engineering Design map of the BAAF vicinity to the north of the airfield, there are no details shown on that map in the vicinity of OB Site II. This raises the possibly that Biggs OB Site II was not an established and commonly used disposal area.
- **ES.3** The approved Work Plan (Uniform Federal Policy Quality Assurance Project Plan [UFP-QAPP]) for Biggs OB Site II was developed based on the Performance Work Statement (PWS) (**Appendix A**) and input from the project stakeholders. The approved UFP-QAPP (CAPE, 2016) presented the scope for the OB Site II SI, which in general, included:
- Perform DGM transect surveys throughout the investigation area along parallel transects spaced at 10 feet (ft).
- Identify potential disposal features using the data from the DGM surveys. Based on the transect width and spacing, the data would be sufficient to traverse potential disposal features with a minimum radius of 5 feet 100 percent of the time.
- Collect and analyze soil samples for explosives; MC metals (aluminum, antimony, copper, lead, and zinc); and polynuclear aromatic hydrocarbons (PAHs) to evaluate the presence or absence of MC contamination.
- Compare the analytical results with project action limits (PALs), developed based on selected human health and ecological screening values, to determine whether MC contamination is present in the sampled media. Analytes detected at concentrations greater than their respective PALs and background concentrations would be considered contaminants of potential concern (COPCs) and would be retained for further risk assessment evaluation.
- **ES.4** The field investigation for the SI took place between March 1 and April 7, 2017. The SI field team collected 10 miles of DGM transect data to assess the potential presence of MEC

contamination at Biggs OB Site II. The transects were spaced 10 feet apart and covered the entire site and areas just outside the site boundary. These DGM surveys conducted during the SI identified six geophysical anomalies that could not be attributed to non-munitions related sources. Consequently, in accordance with the approved project data quality objectives (DQOs), these anomalies are assumed to be potential MEC-related subsurface disposal features at Biggs OB Site II. In addition to these observations, one MEC item (a 40mm projectile) was found on the surface just outside the boundary at the southern edge of the site. While no other MEC, material potentially presenting an explosive hazard (MPPEH), or munitions debris (MD) was observed during the SI, this indicates limited potential for additional MEC to remain on the surface at Biggs OB Site II. Based on these results and the qualitative MEC hazard evaluation, there is the possibility that human receptors might encounter MEC in the form of unexploded ordnance (UXO) on the surface and in the subsurface at Biggs OB Site II and, therefore, there is the potential for an explosive safety hazard.

- **ES.5** During the SI, three surface soil samples (plus two field triplicate samples) were collected. In addition, three ambient samples were collected from surface soil, in locations not expected to have been affected by munitions-related activities. The surface soil samples were analyzed for: explosives, using Method SW8330B; aluminum, antimony, copper, lead, and zinc, using Method SW6010C; and PAHs, using Method SW8270D-SIM. Ambient soil samples were analyzed for PAHs only, since a background metals study has been completed for Fort Bliss (Castner Range). The sample collection and analysis achieved the stated goals for the project.
- **ES.6** Because no explosives were detected in any of the samples and the concentrations of metals and PAHs did not exceed the selected background criteria, there is no evidence of MC contamination in surface soil at the site, and surface human and ecological exposure pathways are incomplete. Therefore, no unacceptable risks to human health or ecological receptors are expected from exposure to surface soil at Biggs OB Site II. However, due to the potential presence of subsurface disposal features, there is a potential for MEC and MC to be present in subsurface soil. If MC contamination is identified in subsurface soil, then exposure pathways would be complete, and risks from exposure to MC may be present.
- **ES.7** Based on the results of this SI, an RI/FS is recommended to further evaluate MEC and MC at the potential disposal features identified at Biggs OB Site II. Since the site is not currently in use and there is restricted access to the area, there is no imminent threat to human health and the environment. For this reason, a TCRA is not recommended at this time. These recommendations and their rationales are summarized in **Table ES-1**.
- **ES.8** The DQOs for this SI were achieved for both the MEC and MC components of the investigation. Therefore, the data obtained during this SI are considered sufficient to evaluate the presence or absence of MEC and MC contamination at Biggs OB Site II.

Table ES-1 Site Inspection Recommendations Biggs OB Site II, Fort Bliss, Texas

Site	Recommendation	Rationale
Biggs OB Site II	RI/FS for MEC and MC	Site was potentially used for munitions disposal, and possible subsurface disposal features were identified, though not confirmed
		One MEC item was found on the surface just outside the site boundary
		MEC hazard assessment concluded there is the potential for explosive safety hazards on the surface and in subsurface soil at this MRS
		Concentrations of MC were not detected above background and human health and ecological screening values in surface soil
		The presence of possible subsurface disposal features means a possibility of MC contamination remains in subsurface soil, though this has not been confirmed

CHAPTER 1 INTRODUCTION

1.1 BACKGROUND

- 1.1.1 The United States (U.S.) Army Environmental Command (USAEC) retained Cape Environmental Management Inc (CAPE) to conduct a Site Inspection (SI) to evaluate the presence or absence of munitions and explosives of concern (MEC) and munitions constituents (MC) contamination at FTBLS-006-R-02, Biggs Open Burn (OB) Site II (hereafter referred to as "OB Site II") at Biggs Army Airfield (BAAF) at Fort Bliss in El Paso, Texas. The CAPE Team, which comprises CAPE and Parsons Government Services, Inc. (Parsons), performed this work consistent with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended by the Superfund Amendments and Reauthorization Act (SARA), and the National Oil and Hazardous Substances Contingency Plan, with regulatory coordination from the Texas Commission on Environmental Quality (TCEQ).
- **1.1.2** The Department of Defense (DoD) established the Military Munitions Response Program (MMRP) to address DoD sites suspected of containing unexploded ordnance (UXO), discarded military munitions, and MC located on current and former military installations. USAEC is the agency responsible for this MMRP project.
- **1.1.3** All work is performed in accordance with the following:
- The Defense Environmental Restoration Program (DERP) statute (10 U.S. Code [USC] 2701, et seq.);
- The Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) (42 USC §9601, et seq.);
- Executive Orders 12580 and 13016; and
- The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) (40 Code of Federal Regulations Part 300).
- **1.1.4** While not all MEC and MC constitute CERCLA hazardous substances, pollutants, or contaminants, the DERP statute provides the DoD with the authority to respond to releases of MEC and MC. DoD policy states that such responses shall be conducted in accordance with CERCLA and the NCP.
- 1.1.5 This report summarizes the work performed during the SI and presents an account of MEC and MC contamination identified at the Biggs OB Site II. This SI is limited exclusively to MEC and MC contamination issues and does not consider other unrelated hazardous and toxic waste concerns. Per Engineering Regulation 200-3-1 guidance for conducting an SI, "The SI is not intended as a full-scale study of the nature

and extent of contamination or explosive hazards" and requires the collection of a sufficient and appropriate amount of information to determine whether response action is warranted.

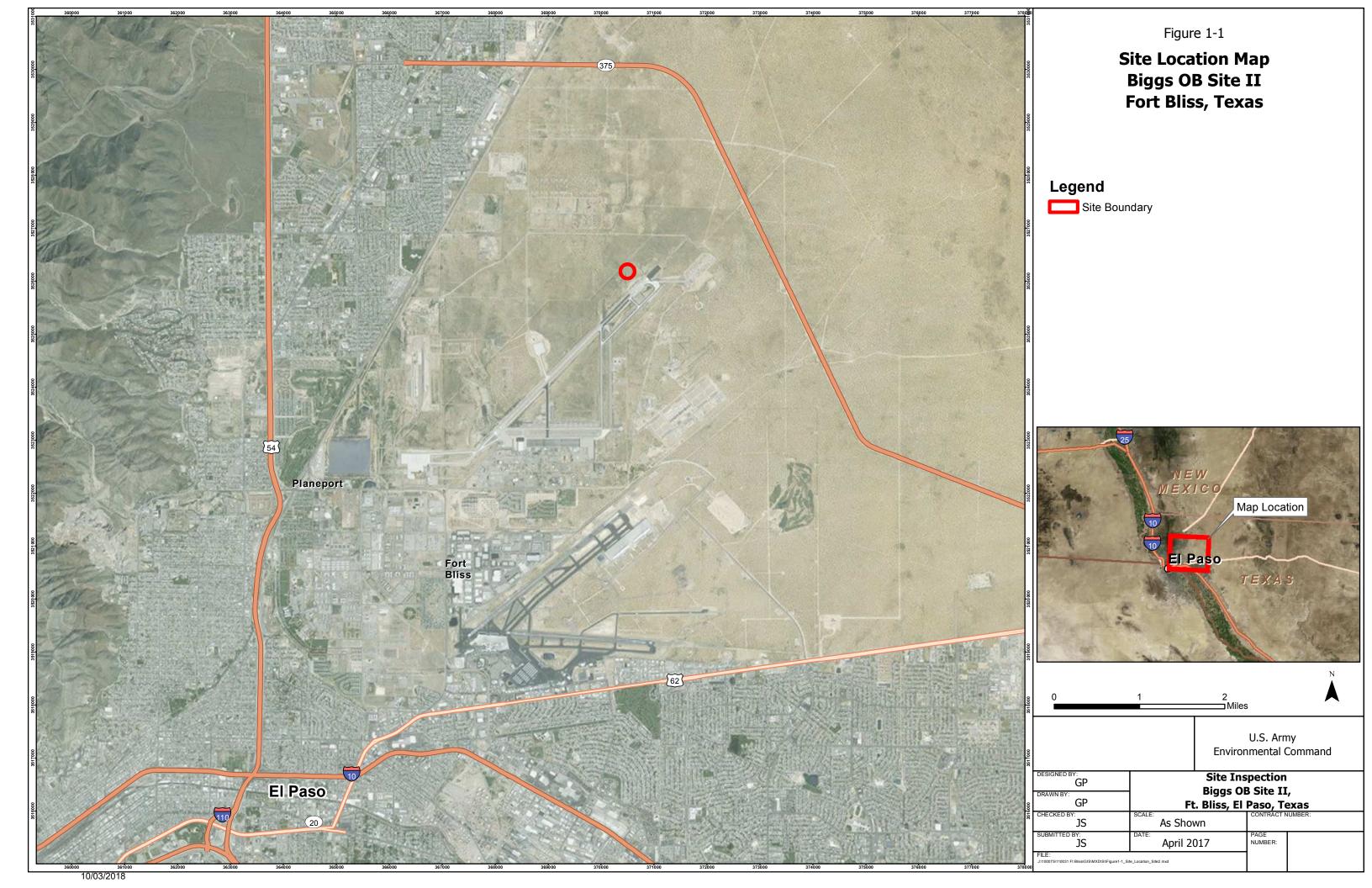
1.2 PROJECT OBJECTIVES

The overall goal of this project is to obtain acceptance of an SI in compliance with the CERCLA, as amended, and DoD and Army regulations and guidance. The project objectives for the MEC investigation were to obtain data to establish whether possible munitions disposal pits or visual evidence of OB activities are present at the site. The project objectives for the MC investigation were to obtain data to establish if MC contamination is present at the site. The boundary of OB Site II is shown on **Figure 1-1**.

1.3 PROJECT SCOPE

The primary project planning documents used to perform the SI included the Final Uniform Federal Policy Quality Assurance Project Plan (UFP-QAPP) and the Performance Work Statement (PWS) (**Appendix A**). The approved UFP-QAPP for OB Site II (CAPE, 2016) was developed based on the PWS and input from the project stakeholders. The approved UFP-QAPP presented the scope for the OB Site II SI, which in general, included:

- Perform digital geophysical mapping (DGM) transect surveys throughout the investigation area along parallel transects spaced at every 10 feet (ft).
- Identify potential disposal features using the data from the DGM surveys. Based on the transect width and spacing, the data would be sufficient to traverse potential disposal features with a minimum radius of 5 feet 100 percent of the time.
- Collect and analyze soil samples for explosives; MC metals (aluminum, antimony, copper, lead, and zinc); and polynuclear aromatic hydrocarbons (PAHs) to evaluate the presence or absence of MC contamination.
- Compare the analytical results with project action limits (PALs), developed based on selected human health and ecological screening values, to determine whether MC contamination is present in the sampled media. Analytes detected at concentrations greater than their respective PALs and background concentrations would be considered contaminants of potential concern (COPCs) and would be retained for further risk assessment evaluation.



CHAPTER 2 PROPERTY DESCRIPTION AND HISTORY

2.1 SITE DESCRIPTION

OB Site II is located approximately 600 feet to the northwest of the main BAAF runway (**Figure 2-1**). Based on previous findings, the site is estimated to be approximately 14 acres. The site is fully contained on BAAF property, access is restricted, and the area is secure. There is an access gate to the general area located approximately 1 mile to the west of the site and a dirt road located just north of the runway running parallel with the runway, which allows for access to this site. A confirmed former munitions disposal site, known as "OB/OD Site I," is located 0.9 miles to the south of OB Site II.

2.2 SITE LOCATION AND SETTING

2.2.1 Topography and Vegetation

Topography at the site is relatively flat with low-relief type mounding/undulating topography. The topography at the site ranges from 3,943–3,947 feet above mean sea level. Vegetation, consisting of dessert grasses and herbaceous dessert plants, is sparse across the site.

2.2.2 Climate

The climate near Fort Bliss is arid, and is characterized by clear skies and sunshine throughout the year, high daytime and comfortable nighttime summer temperatures, very low humidity, infrequent rainfall, and a relatively mild winter season. The average annual temperature for the area is about 64 degrees Fahrenheit (°F) and the extremes vary from 108°F to 17°F, with the hottest months typically being June through August. The climatic data collected at El Paso, Texas, for the period between 1963 and 1992 show an average annual precipitation of 8.74 inches, with approximately 68 percent of this precipitation falling from June through October. The wettest months are in the spring and the fall. (engineering-environment Management, Inc., 2007)

2.2.3 Significant and Inhabited Structures

There are no structures within OB Site II. The closest inhabited structures are airfield support buildings located less than 3,000 feet southeast of the site.

2.2.4 Demographics

According to U.S. Census data, El Paso County is 1,015 square miles and had a 2010 population of 800,647 people (U.S. Census Bureau, 2010). The 2010 population density estimate for El Paso County is 790.6 persons per square mile.

2.2.5 Current and Future Land Use

OB Site II is fully contained within the boundaries of BAAF. It is in an industrial use area, just north of the main BAAF runway, though the site has no specific current use. The land use for this area is expected to remain the same in the future.

2.3 SITE OWNERSHIP AND HISTORY

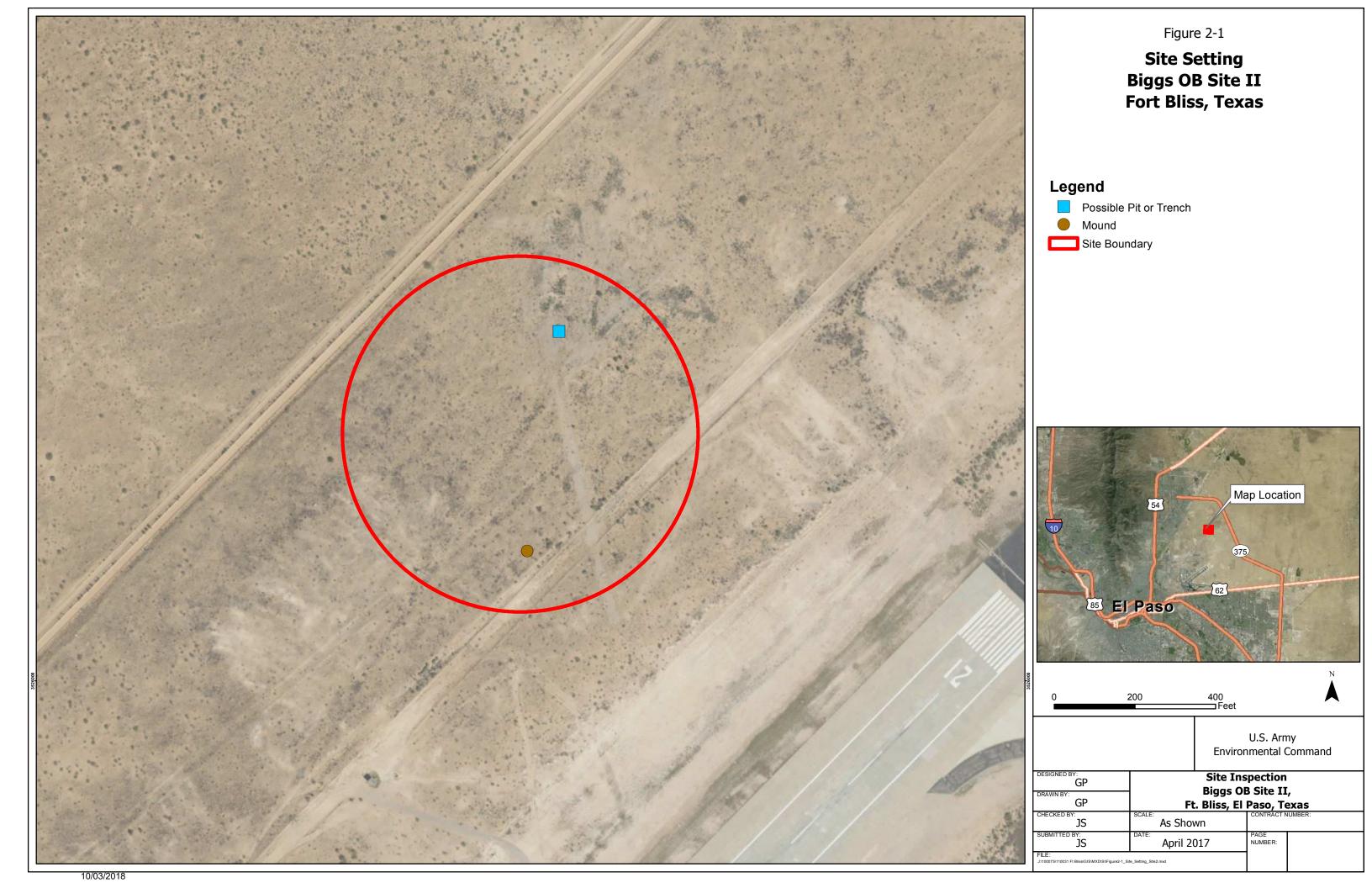
There is very little documentation on the history or activities performed at the investigation site. Based on inference from the history of BAAF, the historical use of the site may date back to the Army during World War II. In September 1947, the property was transferred to the Air Force. In 1948, if in use, activities may have increased when the base was transferred to the U.S. Air Force Strategic Air Command as part of the United States Nuclear Deterrent Force. In 1966, the base was transferred back to the Army. There are no known specific details describing the history of OB Site II.

2.4 SITE OPERATIONS AND WASTE CHARACTERISTICS

- **2.4.1** According to the 2013 Memorandum to File (Fort Bliss, 2013), the only visual evidence of possible disposal activities at the 14-acre site boundary is a possible pit and a mound. While OB/OD Site I, a confirmed former munitions disposal site located 0.9 miles to the south of OB Site II, was shown on a Historic Engineering Design map of the BAAF vicinity to the north of the airfield, there are no details shown on that map near OB Site II. This raises the possibly that OB Site II was not an established and/or commonly used disposal area.
- **2.4.2** If this site was used for military OB activities, MEC might be present in surface or subsurface soil. MC, including metals, explosives, and PAHs, might also be present in surface or subsurface soil as a result of OB operations. MEC and MC would most likely be found at disposal locations and in or beneath pits/trenches (if they are present).

2.5 PREVIOUS INVESTIGATIONS

A preliminary evaluation was performed in 2013 at OB/OD Site I and OB Site II. The evaluation resulted in a "Memorandum to File" containing background information and investigative findings for both sites (Fort Bliss, 2013). At OB Site II, only two surface features were noted, including a presumed pit and a mound. No additional evidence of previous munitions-related activities were noted. The evaluation concluded that there was adequate justification to include the site in the MMRP and initiate an investigation through the DERP under the provision of CERCLA (Fort Bliss, 2013). On this basis, an RI was recommended at OB/OD Site I and an SI was recommended at OB Site II. The RI at OB/OD Site I is being conducted separately from this SI.



CHAPTER 3 SITE INSPECTION TASKS

3.1 CONCEPTUAL SITE MODEL DEVELOPMENT

- **3.1.1** The conceptual site model (CSM) is a description of a site and its environment that can be used to depict the nature of potential contamination, its location, and the possible interactions of human and environmental receptors with that contamination. The CSM summarizes which potential receptor exposure pathways for MEC and MC are (or may be) complete and which are (and are likely to remain) incomplete. An exposure pathway is considered incomplete unless *all four* of the following elements are present (U.S. Environmental Protection Agency [USEPA], 1989):
- A source of contamination;
- An environmental transport and/or exposure medium;
- A point of exposure at which the contaminant can interact with a receptor; and
- A receptor and a likely route of exposure at the exposure point.
- **3.1.2** If any single factor was not present, the pathway would be incomplete. An incomplete exposure pathway indicates there are no current means by which a receptor (human or ecological) can be exposed to either MEC or MC. In this case, no hazards or risks from exposure to MEC or MC would be expected. This information can be used to focus the investigation of the site by suggesting which complete or potentially complete exposure pathways need to be evaluated. The CSM is a 'living document' that is based on existing knowledge, and, therefore, can and should be updated throughout the course of the project as more data become available.
- **3.1.3** For the purposes of this investigation, a preliminary CSM was developed for OB Site II. The preliminary CSM is summarized in **Table 3.1**. This table describes the known or suspected contamination sources, potential/suspected location and distribution of contamination, contamination source or exposure medium, current and future receptors, and potentially complete exposure pathways. The CSM has been revised based on investigation results and Army and stakeholder feedback. This revised CSM is presented in Chapter 5.
- **3.1.4** Potentially complete exposure pathways are present at the site that might result in industrial workers and site security personnel being exposed to MEC or MC in soil. With regard to MC, the preliminary CSM assumes explosives, MC metals (aluminum, antimony, copper, lead, and zinc), and PAHs are potentially present in surface and subsurface soils at the site. These "preliminary" COPCs are based on the munitions potentially present at the site (explosives and MC metals). PAHs are not MC, but could be present as a result of OB activities.

Table 3-1 Overview of Preliminary Conceptual Site Model Biggs OB Site II, Fort Bliss, Texas

SITE DETAILS	Known or Suspected Contamination Source(s)	Potential/Suspected Location and Distribution	Source or Exposure Medium	Current and Future Receptors	Potentially Complete Exposure Pathway
NAME: OB SITE II Acreage: 14 acres Suspected Past DoD Activities (release	Munitions and Explosives of Concern Various munitions, including 20mm and 37mm projectiles, hand grenades, and small-arms ammunition	Potential to find residual MEC/MPPEH in or beneath disposal features	Surface or subsurface soil	Current and Future: Industrial workers, site security personnel	Exposure to surface and/or subsurface MEC
mechanisms): Possibly munitions disposal by open burning, which might have released MEC (most likely UXO) at	Munitions Constituents in Soil Explosives, metals (aluminum, antimony, copper, lead, and zinc), and PAHs	Potentially present in soil in and beneath disposal features and across the surface of the site.	Surface soil and subsurface soil	Current and Future: Industrial workers, site security personnel, ecological	Exposure to MC in soil (incidental ingestion, dermal contact, or inhalation of re-suspended particulates)
disposal features Current and Future Land Use: Industrial, and is expected to remain unchanged in the future.	Munitions Constituents in Groundwater NONE	Not expected	Groundwater (via leaching from soil)	n/a	NONE

3.1.5 The presumed depth to groundwater at the site is approximately 332 feet below ground surface (bgs) (further discussed in Chapter 5). Because the anticipated COPCs (explosives, metals, and PAHs) are relatively insoluble, it is highly unlikely they would migrate to the deep groundwater at this location, so the ground exposure water pathway is assumed to be incomplete. However, soil samples collected during the investigation will be used to confirm this assumption as discussed in Chapter 5.

3.2 TECHNICAL PROJECT PLANNING

Technical Project Planning meetings were not conducted as part of this effort. However, the UFP-QAPP was offered for stakeholder review, and comments received were addressed. These opportunities allowed for input from the project stakeholders and the opportunity for refinement of the technical approach based on that input.

3.3 NON-MEASUREMENT DATA COLLECTION

The Field Demonstration Report of Incremental Sampling Methodology at Closed Castner Firing Range (URS, 2013), was used to provide background metals concentrations for results comparison.

3.4 GENERAL TECHNICAL APPROACH

This subchapter describes the general sequence of execution and activities that were used to successfully complete field operations during this project. This general technical approach was based on the initial CSM developed for the MRS (Subchapter 3.1). The detailed field procedures used for the activities summarized in the following subchapters are described in the approved UFP-QAPP (CAPE, 2016).

3.4.1 General Approach

- 3.4.1.1 The primary components of the MEC sampling design for the RI involve DGM surveys as follows:
- Perform 1m-wide DGM transect surveys throughout the investigation area at an approximate transect spacing of 10 feet. Based on the transect width and spacing, the data were sufficient to traverse potential disposal features with a minimum radius of 5 feet 100 percent of the time.
- Use the results of the DGM transect surveys to identify potential disposal features (e.g., pits, trenches) based on analysis of the geophysical anomalies. Potential disposal features would be characterized by areas of elevated anomaly density.
- 3.4.1.2 The primary component of the MC sampling design for the investigation involves collecting incremental surface soil samples for MC analysis at three 300-foot-by-300-foot sampling units (SUs) distributed across the site.

3.4.2 DGM Surveys

- 3.4.2.1 Geophysical System Verification and Instrument Verification Strip (IVS). A geophysical system verification process was implemented at Fort Bliss to demonstrate the instrument and data collection strategies selected for the site function as intended for the duration of the field investigation. Within this process, an IVS was used to verify the proper functioning of the EM61-MK2, units used during the project. The IVS is an area containing buried "industry standard objects," or ISOs, that are used to verify that the geophysical instruments are functioning correctly. A "noise strip" was located adjacent to the IVS and was used to determine the background noise level of the survey instruments. The IVS also was used to test the functionality of the analog systems that were used on the project (Schonstedt magnetic locator or equivalent-approved magnetometers).
- 3.4.2.2 Instrument Verification Strip Letter Report. The results of the initial IVS tests for the EM61-MK2 data evaluations were summarized in separate letter reports, which were provided electronically within one week of completing the initial data acquisition over the IVS. DGM data collection began immediately after the initial IVS surveys. The IVS letter report is included in **Appendix G**.
- 3.4.2.3 Digital Geophysical Mapping Methods. DGM surveys were conducted along transects in accordance with Parsons standard operating procedures (SOPs). Geophysical data on the transects were collected using a single utility terrain vehicle-towed EM61-MK2. Transect data were positioned using a Real Time Kinematic Global Positioning System (GPS), generally capable of approximately 2cm accuracy. The design transect spacing for EM61-MK2 data was 10 feet. Based on analysis using Visual Sample Plan (VSP) software Version 7.0, this transect spacing is sufficient to traverse potential disposal features with a minimum radius of 5 feet 100 percent of the time. The locations of stakes marking transect endpoints, or other pre-determined points, were measured and recorded using the GPS or standard survey techniques.

3.4.3 Munitions Constituents Sampling

- 3.4.3.1 Samples for MC analysis were collected from surface soil only. For purposes of this investigation, surface soil is considered to be from 0-6 inches bgs, and subsurface soil is considered to be from deeper than 6 inches bgs. Soil samples were analyzed for explosives, metals (aluminum, antimony, copper, lead, and zinc), and PAHs. PAHs are not MC, but could be present as a result of ordnance disposal activities. These analytes are referred to as "preliminary" COPCs. Soil pH was also analyzed to support any subsequent ecological risk assessment.
- 3.4.3.2 Surface soil samples (0-6 inches depth) were collected using the incremental sampling method (ISM). Soil samples were analyzed for preliminary COPCs. The dimensions of each incremental sample SU were 300 feet by 300 feet, and each sample consisted of 100 "increments" (i.e., subsamples). The proposed sample locations are shown on **Figure 3-2**. In addition to these surface samples, three incremental samples

were collected and analyzed to establish the anthropogenic background concentrations of PAHs at the site. These locations of the SUs for these samples were discussed with the project team. These samples were used to support both the RI at OB/OD Site I and the SI at OB Site II.

3.5 WORK PLAN

The approved UFP-QAPP (CAPE, 2016) was prepared in accordance with Army and USEPA guidance to ensure that environmental data collected were scientifically sound, of known and documented quality, and suitable for their intended purposes. The plan focused on the site-specific details for the investigation at OB Site II to include investigation methods, general analytical services, data management and validation procedures, and field standard operating procedures. The UFP-QAPP presented the plan for collecting data to support the investigation, and used the "optimized" worksheets published by the Intergovernmental Data Quality Task Force in March 2012.

3.6 DEPARTURES FROM PLANNING DOCUMENTS

There were no departures from the approved UFP-QAPP (CAPE, 2016).

3.7 DATA QUALITY OBJECTIVES

- **3.7.1** Data quality objectives (DQOs) are qualitative and quantitative statements that specify the quality and level of data required to support the decision-making processes for a project. Guidance for DQO development is contained in *Guidance on Systematic Planning Using the Data Quality Objectives Process* (USEPA QA/G-4), February 2006, USEPA/240/B-06/001.
- **3.7.2** The overall goal of this project is to obtain acceptance of an SI in compliance with the CERCLA, as amended, and DoD and Army regulations and guidance. Based on this overall goal, the general project DQOs are to obtain data to evaluate the presence or absence of MEC and/or MC contamination at Biggs OB Site II. Specific DQOs have been established for both the MEC and MC investigations, and these are presented in **Table 3-2**. These DQOs follow the USEPA's seven-step, iterative process for DQO development.

Table 3-2
Data Quality Objectives and Technical Approach Summary
Biggs OB Site II, Fort Bliss, Texas

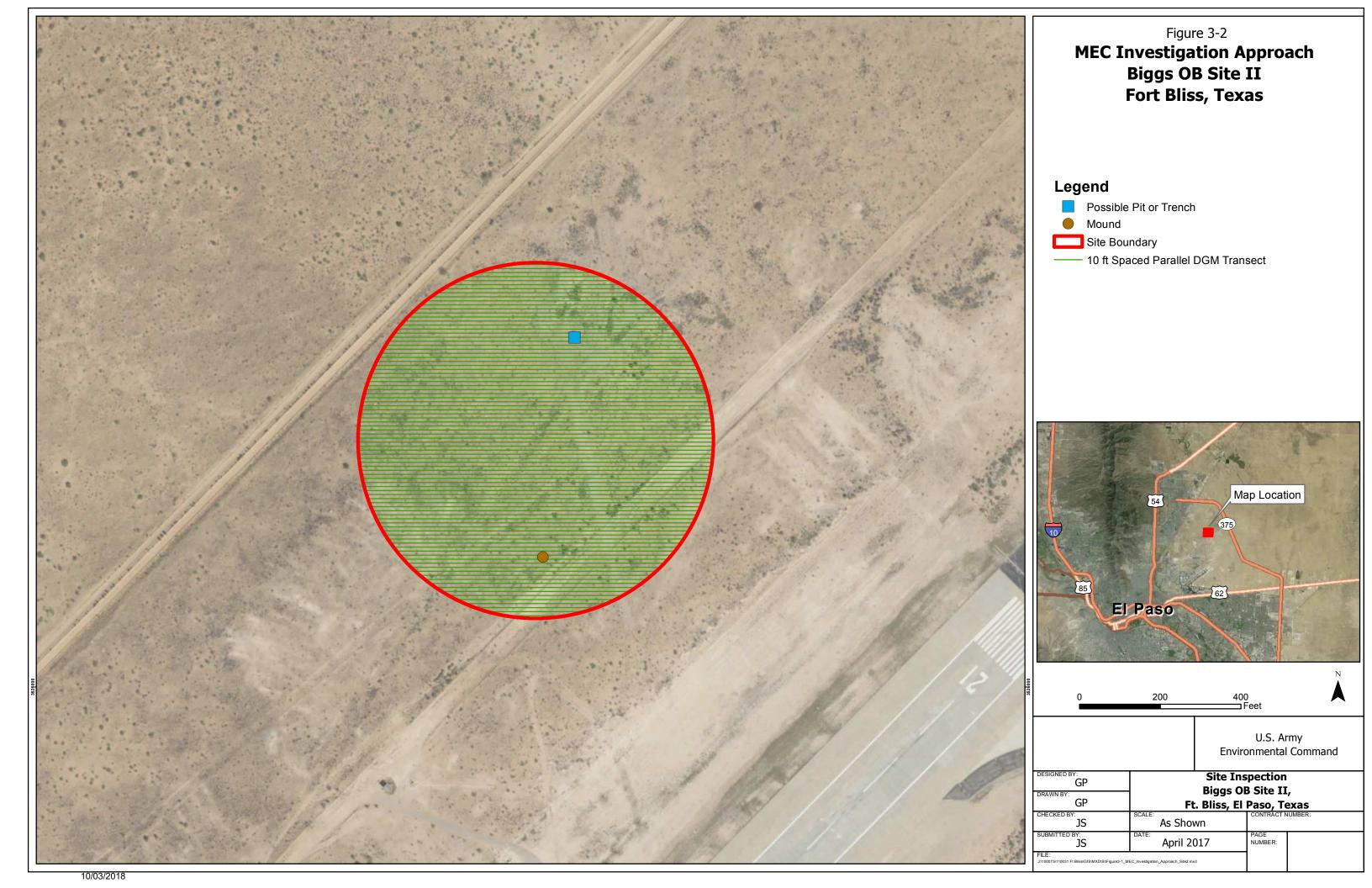
State the Problem	Identify the Goal of the Study	Identify Information Inputs	Define the Boundaries of the Study	Develop the Analytic Approach	Specify Performance or Acceptance Criteria	Develop the Detailed Plan for Obtaining Data
Munitions and Explosives of Concern: It is unknown whether the site was used as an OB area. If it was used for this purpose and MEC remain in the area, then a complete exposure pathway exists, and there is a potential hazard to human health and the environment. Therefore, the presence of disposal features needs to be evaluated to determine whether further investigation is required.	The principal question is "Is MEC contamination present at the site?" The possible alternative actions resulting from the principal question are (1) take no further action, or (2) recommend an RI to characterize the nature and extent of the MEC contamination identified. Based on the above, the project decision statement is: Determine whether MEC requires no further action or a remedial investigation.	Results of geophysical surveys. Land use and receptors.	Boundaries of Biggs OB Site II defined on Figure 2-1. There are no time constraints on data collection.	The parameters used to make conclusions regarding MEC contamination will be the DGM survey results (i.e., presence or absence of potential disposal features ⁽¹⁾). The related analytic approach and decision process are summarized in Figure 3-1 .	Geophysical surveys shall achieve applicable measurement performance criteria (MPC) as stated in the UFP-QAPP and confirmed/modified by IVS Report, unless MPC failures can be adequately explained and/or justified.	Perform DGM surveys throughout the survey footprint along parallel transects at approx. 10-foot spacing (sufficient to traverse 5-foot radius disposal feature 100% of the time (2)) (Figure 3-2). Identify potential disposal features (1) using parallel DGM transect data and visual observations.
Munitions Constituents: If the site was used as an OB area, disposal operations or degradation of MEC at disposal features may have resulted in MC being released to environmental media. If MC contamination is present, it may pose a risk to human and ecological receptors.	The principal question is "Is MC contamination present at the site?" The possible alternative actions resulting from the principal question are (1) take no further action, or (2) recommend an RI to characterize the nature and extent of the MC contamination identified. Based on the above, the project decision statement is: Determine whether MC requires no further action or a remedial investigation.	Results of geophysical surveys. Field sampling data and laboratory analysis results for soil samples. Land use and receptors.	Boundaries of Biggs OB Site II defined on Figure 2-1. MC analytes and sample media limited to those listed in preliminary CSM (Table 3-1). There are no time constraints on data collection.	The parameters used to make conclusions regarding MC contamination will be the detected concentrations of MC analytes in collected soil samples. The related analytic approach and decision process are summarized in Figure 3-1.	Sampling and analysis shall achieve applicable MPC as stated in the UFP-QAPP, unless MPC failures can be adequately explained and/or justified.	Locate three (3) 300-foot-by-300-foot sampling units (SUs) across the site and collect incremental samples for MC analysis (Figure 3-3).

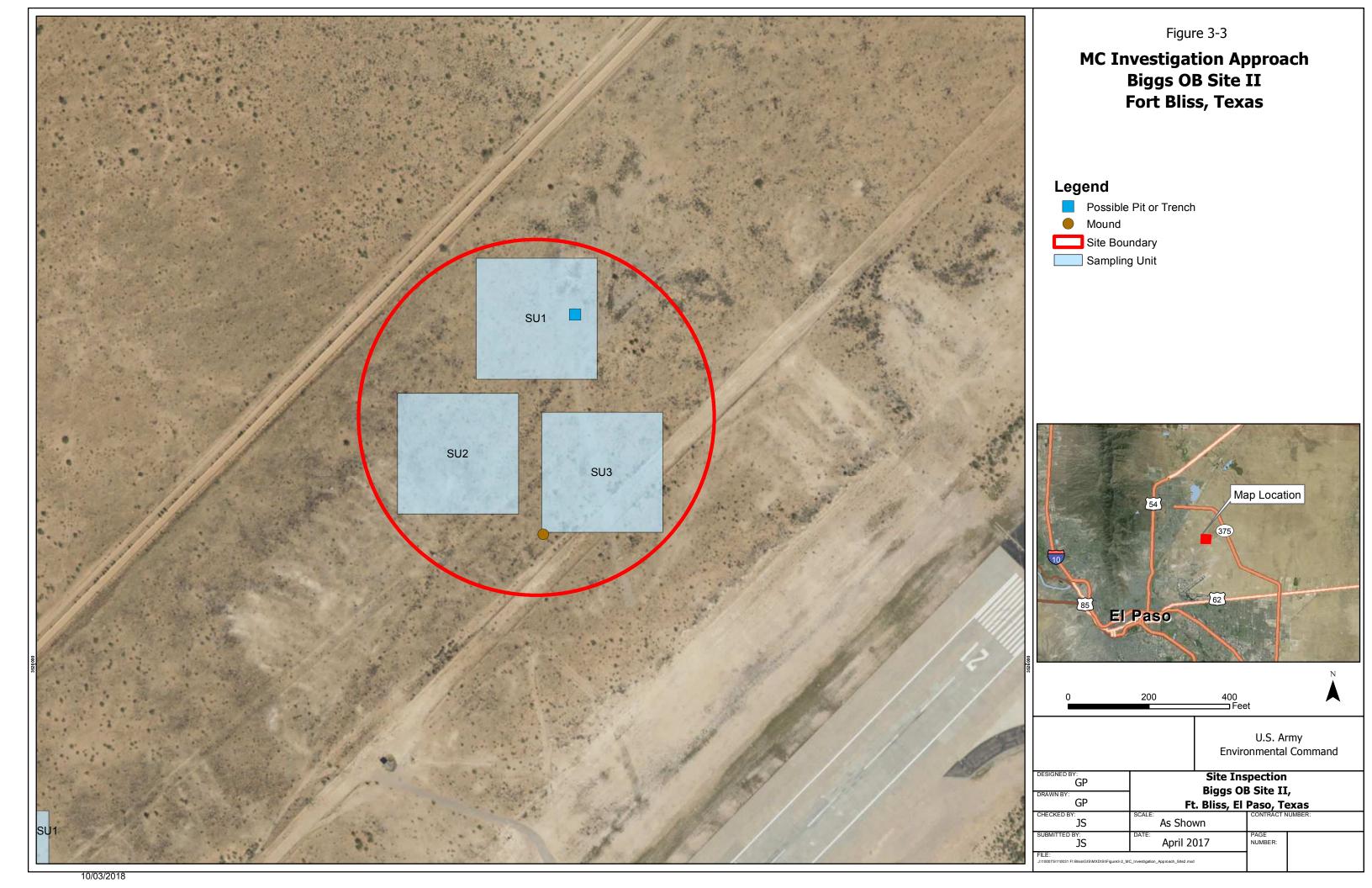
⁽¹⁾ For the purposes of this investigation, "potential disposal features" are defined as polygonal geophysical anomalies potentially representing pits or trenches, or visual evidence indicating disposal pits or trenches, including burn pits.

⁽²⁾ As determined using the VSP software tool.

MEC INVESTIGATION MC INVESTIGATION Conduct DGM transect Collect incremental surveys at 10-ft. spacing samples at 3 SUs (see Figure 17-2) (see Figure 17-1) YES Potential for MEC contamination; COPCs identified; Potential YES Are analyte disposal features recommend RI to characterize recommend RI to characterize concentrations identified? > PALS ? (1) nature and extent nature and extent NO NO YES Definitive visual evidence of disposel? NO No evidence of No evidence of COPCs significant disposal activities; from disposal activities; no further action needed no further action needed (1) If analyte concentrations exceed PALs, then they will also be compared to background concentrations. Analytes detected at concentrations less then background are not COPCs.

Figure 3-1 Analytic Approach and Decision Process for Site Inspection at Biggs OB Site II, Fort Bliss, Texas





CHAPTER 4 MUNITIONS AND EXPLOSIVES OF CONCERN FINDINGS

4.1 RESULTS AND OBSERVATIONS

4.1.1 Historical Munitions and Explosives of Concern

According to the 2013 Memorandum to File (Fort Bliss, 2013), the only visual evidence of possible disposal activities in the 14-acre site boundary is a possible pit and a mound. While OB/OD Site I, the confirmed former munitions disposal site located 0.9 miles to the south of OB Site II, was shown on an Historic Engineering Design map of the BAAF vicinity to the north of the airfield, there are no details shown on that map near OB Site II. This raises the possibly that OB Site II was not an established and/or commonly used disposal area.

4.1.2 Results of Visual Inspections and Geophysical Surveys

4.1.2.1 The SI field team performed 10 miles of DGM transects to assess the potential presence of MEC contamination at OB Site II. The transects were spaced 10 feet apart and covered the entire site and areas just outside the site boundary. One MEC item, a 40mm projectile, was found on the surface just outside the boundary at the southern edge of the site. OB/OD Site I is a confirmed former MEC disposal site located 0.9 miles to the south of OB Site II. While not certain, it is possible this MEC item might be related to disposal operations at that location or to other operations at Fort Bliss rather than to as yet unconfirmed disposal operations at OB Site II. The MEC item was turned over to Fort Bliss Explosive Ordnance Disposal personnel in accordance with the approved UFP-QAPP. The documentation for this transfer is included in Appendix B. No other MEC, MPPEH, or MD were observed during the field effort. Several site features were noted during the DGM surveys, but none were clearly related to munitions use. These features included buried cables, a large pile of aircraft debris, two concrete slabs/structures, and a runway laser tower (Exhibit 4-1).

4.1.2.2 DGM data were transferred from the field data logger and processed in accordance with the approved UFP-QAPP. Anomaly selection criteria were based on background levels measured with the EM61-MK2 at the noise strip constructed adjacent to the seeded IVS line. The selection criterion was five times the background value measured at the strip using the sum of the first three time gates measured by the EM61-MK2. Anomalies representing potential disposal features were identified for purposes of making project decisions. In accordance with the approved UFP-QAPP, "potential disposal features" were defined as large anomalies potentially representative of pits, trenches, or other areas where a large quantity of MPPEH/MEC or MD may be indicated by the geophysical data.



Exhibit 4-1: OB Site II Observations – concrete slab (left) and runway laser tower (right)

4.1.2.3 Based on the DGM results, 14 areas with elevated anomaly density were identified at OB Site II. **Figure 4-1** shows the DGM results and locations of these elevated anomaly density areas. These areas are too large to indicate single small geophysical anomalies and indicate larger sources, such as debris pits, metallic infrastructure, and/or utilities. If there is no other visible source of these anomalous areas, these could possibly indicate a subsurface MEC-related disposal feature.

4.2 PRESENCE OF MUNITIONS AND EXPLOSIVES OF CONCERN CONTAMINATION

- **4.2.1** The possible or confirmed presence or absence of MEC within an MRS can be assessed based on the results of the field investigation, specifically field observations and results of DGM surveys. This information can be used to focus MEC characterization efforts conducted during any future RI/Feasibility Study (FS).
- **4.2.2** Each of the 14 elevated anomaly density areas at OB Site II was evaluated with respect to the visual observations made. Specifically, the Project Geophysicist compared the geophysical responses to the surface features in the vicinity and used professional judgment to assess whether the anomaly could be a possible subsurface pit or trench. Unless the visual observations indicated non-munitions related material considered by the Geophysicist to be sufficient to be the anomaly source, the anomalous area was assumed to be a potential MEC-related disposal feature. However, it should be noted that none of these features have been confirmed to be munitions-related. The results of this evaluation are shown in **Table 4.1** and on **Figure 4-2**.

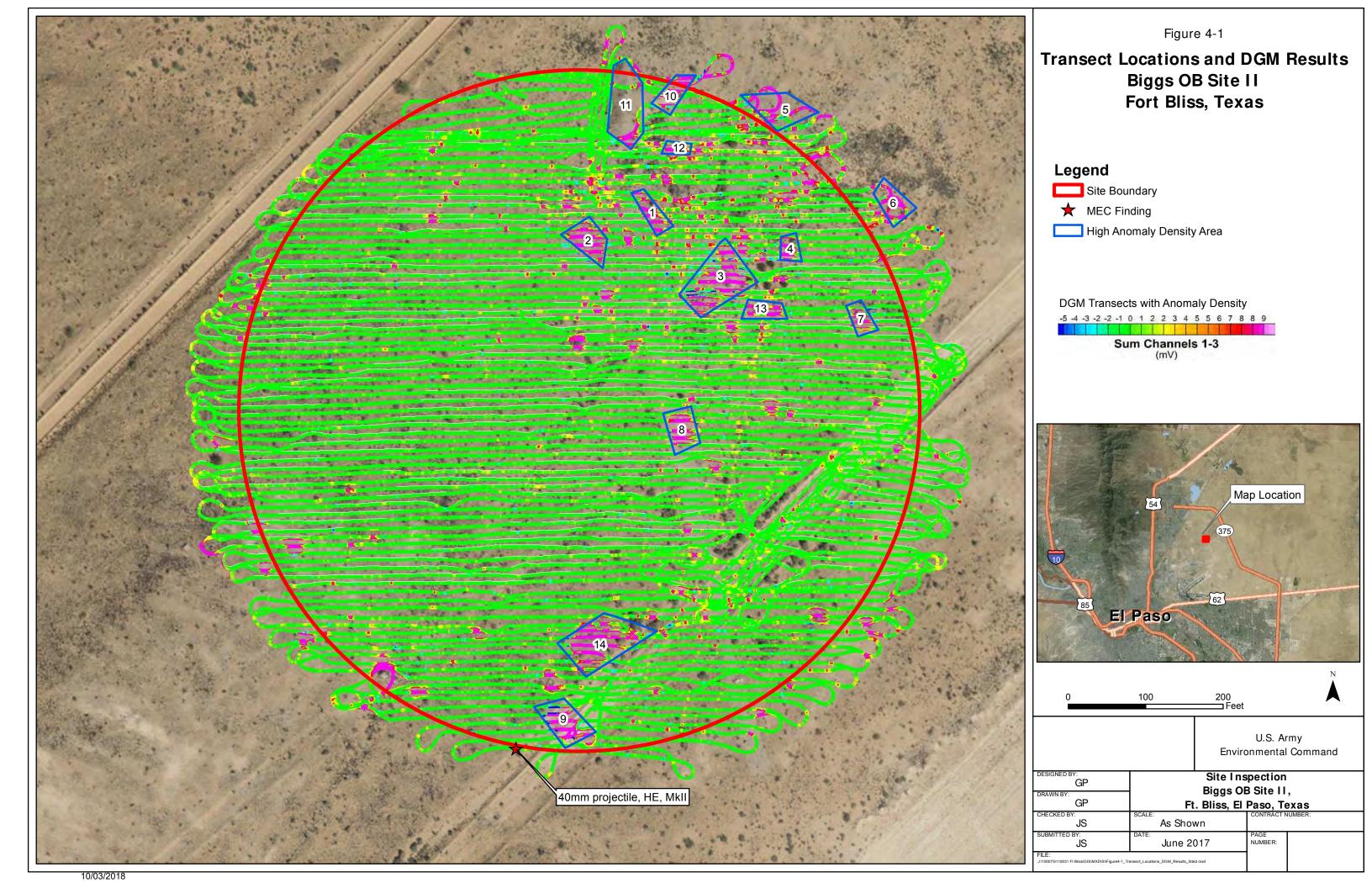
Table 4.1 Evaluation of Elevated Anomaly Density Areas at OB Site II

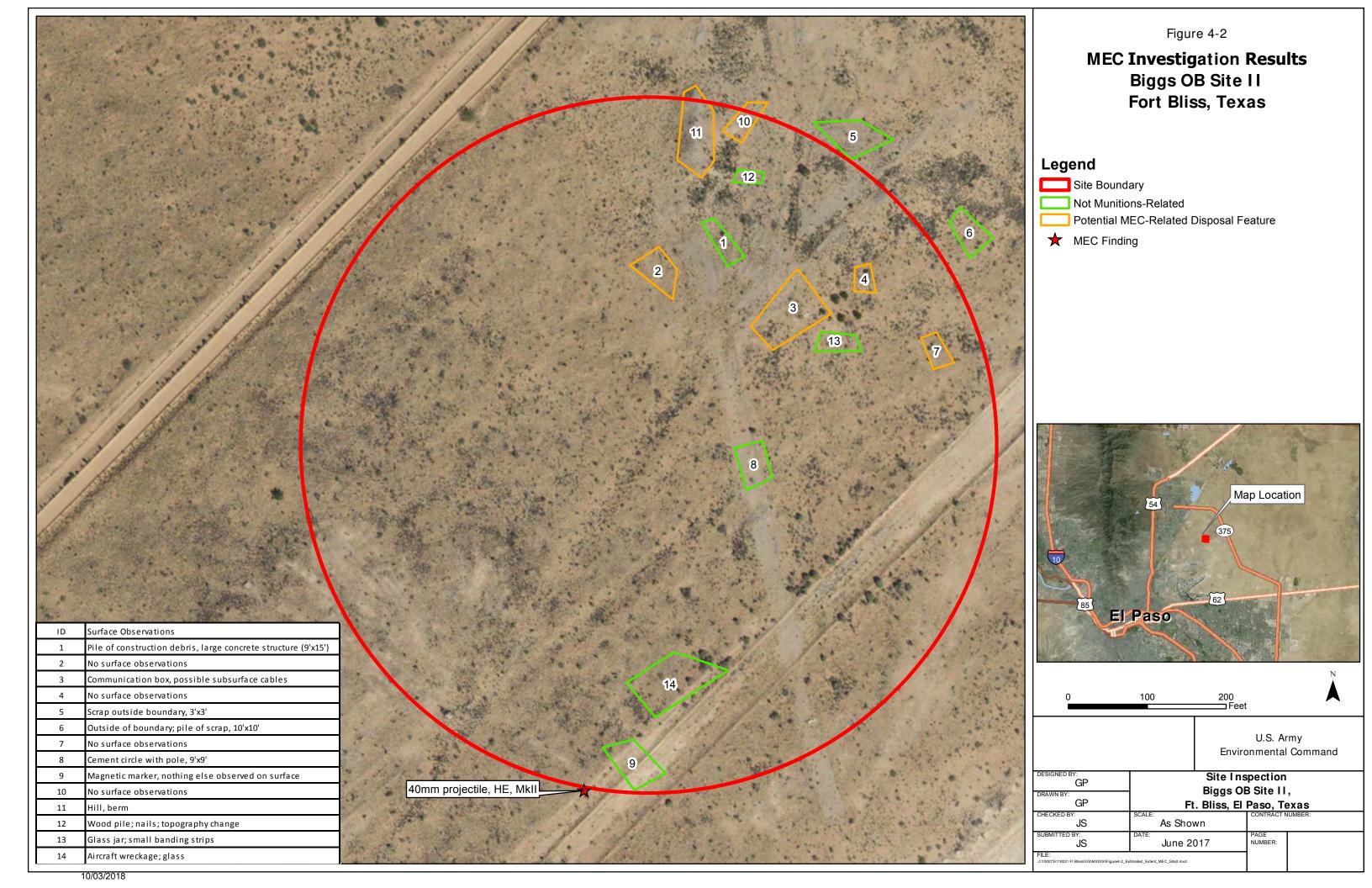
ID	Surface Observations	Potential MEC- related Disposal Feature?	Rationale
1	Pile of construction debris, large concrete structure (9'x15')	No	Non-munitions-related; visible material (debris and concrete structure) is likely source of anomaly
2	No surface observations	Yes	No visible rationale for anomaly
3	Communication box, possible subsurface cables	Yes	May be caused by non-munitions-related features, but no clear evidence
4	No surface observations	Yes	No visible rationale for anomaly
5	Scrap outside boundary, 3'x3'	No	Non-munitions-related; visible material (scrap) is likely source of anomaly
6	Outside of boundary; pile of scrap, 10'x10'	No	Non-munitions-related; visible material (scrap pile) is likely source of anomaly
7	No surface observations	Yes	No visible rationale for anomaly
8	Cement circle with pole, 9'x9'	No	Non-munitions-related; visible material (cement and pole) is likely source of anomaly
9	Magnetic marker, nothing else observed on surface	No	Non-munitions-related; visible material (magnetic marker) is likely source of anomaly
10	No surface observations	Yes	No visible rationale for anomaly
11	Hill, berm	Yes	Possible berm and anomaly may indicate burial feature
12	Wood pile; nails; topography change	No	Non-munitions-related; visible material (wood pile, nails) is likely source of anomaly
13	Glass jar; small banding strips	No	Non-munitions-related; visible material (small banding strips) is likely source of anomaly
14	Aircraft wreckage; glass	No	Non-munitions-related; visible material (aircraft debris) is likely source of anomaly

- **4.2.3** As shown in **Table 4.1**, the Project Geophysicist considered six of the 14 subsurface features observed in the data to be possible MEC-related disposal features (i.e., anomalies possibly indicative of pits or trenches). Note that these are only possible disposal features, and they are not confirmed to be MEC-related; however, there is currently insufficient evidence to link these features to non-MEC-related sources so the potential for MEC contamination must be assumed in subsurface soil in accordance with the approved DQOs (**Table 3-2** and **Figure 3-1**). The results of this assessment and the locations of these possible MEC-related disposal features can be used to focus future MEC characterization efforts at OB Site II.
- **4.2.4** In addition to the possible MEC-related disposal features described above, the presence of the MEC item found on the surface just outside the site boundary indicates

some potential for MEC to be on the surface at the site. However, it should be noted no other MEC, MPPEH, or MD were observed during the field investigation. Because no MPPEH or MD were observed, and only one MEC item was found despite the large area of the site covered during the DGM data collection, the potential for finding additional MEC items on the surface at OB Site II is considered to be low. It is possible this MEC item might be related to disposal operations at OB/OD Site I, which is located 0.9 miles to the south, or to other activities at Fort Bliss rather than to as yet unconfirmed disposal operations at OB Site II.

4.2.5 The revised CSM based on these results is described in Subchapter 5.5.





CHAPTER 5 MUNITIONS CONSTITUENTS EXPOSURE PATHWAYS AND RECEPTORS

5.1 INTRODUCTION

- **5.1.1** This chapter of the SI report evaluates the potential presence or absence of exposure pathways and receptors, based on site-specific conditions. It is necessary to evaluate site-specific conditions and land use to evaluate risks posed to potential receptors under current and future land use scenarios. Exposure pathways for groundwater, surface water and sediment, soil, and air are evaluated. The CSM for Biggs OB Site II (**Appendix H**) summarizes which potential receptor exposure pathways are (or may be) complete and which are (and are likely to remain) incomplete. An exposure pathway is not considered complete unless <u>all</u> four of the following factors (shown in *italics*) are present (USEPA, 1989). An example regarding a hypothetical groundwater exposure pathway is included.
- A source and mechanism for contaminant release. For example, a site has known MEC, from which MC have leached and have contaminated surface soil.
- An environmental transport and/or exposure medium. In the example, the MC in soil are mobile and can contaminate groundwater.
- A point of exposure at which the contaminant can interact with a receptor. A well drawing from the contaminated aquifer is located at the MRS.
- A receptor and a likely route of exposure at the exposure point. A resident uses groundwater from the on-site well as a source of drinking water.
- **5.1.2** In the hypothetical example above, all four factors are present. Therefore, the groundwater exposure pathway is complete. If any single factor was not present (for example, if MC were not present in soil, or if the resident obtained drinking water from another source), the pathway would be incomplete.
- **5.1.3** This chapter presents the information required to evaluate whether exposure pathways at the site are complete. It also identifies those MC that require further consideration in a screening level risk assessment (SLRA). Chapter 6 assesses the potential significance of complete pathways (such as whether there is an unacceptable risk).

5.2 GENERAL INFORMATION

General information regarding the geology, hydrogeology, and hydrology of Fort Bliss presented below was obtained from a variety of sources, as noted in Chapter 3. Regional

information is followed by a discussion of MRS-specific characteristics and sampling results collected as part of the SI.

5.2.1 Regional Geologic Setting

- 5.2.1.1 Geographically, the site is located within the Hueco Bolson geographic basin, just east of the Franklin Mountains. The Hueco Bolson, which is composed of basin-fill deposits of silt, sand, gravel, and clay, has a maximum thickness of 9,000 feet in some areas. The surface geology at the site consists of Young Quaternary deposits.
- 5.2.1.2 The boundary of the BAAF, including OB Site II, is composed of the Hueco-Wink association soils. This soil association is characterized by nearly level and gently sloping soils having a fine sandy loam subsoil and are moderately deep over caliche (SCS, 1971). The individual soils represented include the Hueco loamy fine sand, with 1 to 3 percent slopes, and Cavalry loamy fine sand, with 1 to 3 percent slopes (NRCS, 2015).

5.2.2 Regional Hydrogeologic Setting

- 5.2.2.1 Groundwater below the site is part of the Hueco Bolson Aquifer (Texas Water Development Board [TWDB], 2015a). The upper portion of the Hueco Bolson contains fresh to saline water, ranging from less than 1,000 to 3,000 milligrams per liter of total dissolved solids. The Hueco Bolson is the principal aquifer for the El Paso area and the Ciudad Juarez area. Water levels are on the decline due to municipal pumping in the Hueco Bolson up to the 1980s (TWDB, 1987). Recharge to the Hueco Bolson occurs along the mountains bordering the bolson, and at times locally along the Rio Grande. While the natural groundwater flow was from the areas of recharge to points of discharge, the declining water levels and pumping have changed the direction and rate of flow over the years to the centers of pumping.
- 5.2.2.2 There is one TWDB well located approximately three miles to the northwest of OB Site II, completed within the Hueco-Mesilla Aquifer. Transposing this groundwater level to below the topographic surface of OB Site II (~3,945 feet [ft.] elevation), the estimated groundwater level below the site is approximately 347 ft. bgs (TWDB, 2015b).

5.2.3 Groundwater Use

No wells are located within OB Site II. Thirty-nine deep wells from the Hueco Bolson Aquifer provide most of the water used at Fort Bliss. The fresh water aquifers in the Hueco Bolson are of very high quality and require only chlorination. Chemical analyses showed that the total dissolved solids, chloride, sulfate, and nitrate concentrations do not meet state or federal standards (engineering-environment Management, Inc., 2007).

5.2.4 Regional Hydrologic Setting

No surface water is present at the site or in the vicinity.

5.2.5 Regional Sensitive Ecological Resources

There are a number of threatened and endangered species that occur or have the potential to occur on Fort Bliss. Six species are listed as threatened or endangered by the United States Fish and Wildlife Service and the states of New Mexico and Texas. Of the six species listed, only one species, the Sneed pincushion cactus (*Escobaria [Coryphantha] sneedii*), is both federally and state endangered, and is found on Fort Bliss year-round. One federally and state threatened species is the bald eagle (*Haliaeetus leucocephalus*), which is a seasonal resident. The northern aplomado falcon (*Falco femoralis septentrionalis*), which is both federally and state endangered, has been sighted at Fort Bliss. Habitat for the remaining three listed species, the federally and state endangered interior least tern (*Sterna antillarum*), the southwest willow flycatcher (*Empidonax traillii extimus*), and the federally threatened Mexican spotted owl (*Strix occidentalis lucida*) do not exist or are of an insufficient amount to maintain a population. These species have passed, or may pass, through portions of Fort Bliss (engineering-environment Management, Inc., 2007).

5.2.6 Sample Locations and Methods

- 5.2.6.1 Field sampling was conducted on March 15 and 16 and on April 5, 2017. During the SI, three surface soil samples (plus two field triplicate samples) were collected. In addition, three ambient samples were collected from surface soil, in locations not expected to have been affected by munitions-related activities. **Figure 5-1** shows the sample locations. The surface soil samples were collected using ISM. The dimensions of each incremental sample SU was 300 feet by 300 feet, and each sample consisted of 100 "increments" (i.e., subsamples), which resulted in a target mass of 1-2 kg for each sample.
- 5.2.6.2 The ISM sampling method was determined to provide a more accurate measure of the mean concentration of contaminants in a given volume of soil (the sampling unit, or SU) by providing reproducible, scientifically defensible data. ISM sampling involves defining one or more SUs to be sampled within an area, from which multiple "sample increments" are collected and composited into a single "incremental sample" for each SU. The process for collecting incremental samples involves designating the incremental sample collection grid, determining the sampling interval, selecting the sample collection origin, and collecting the sample increments.
- 5.2.6.3 The biased sample locations were selected to represent areas with the highest likelihood for the presence of MC contamination (per the approved UFP-QAPP [CAPE, 2016]). The sample locations were screened for potential subsurface anomalies and approved by a UXO Technician III using a magnetometer prior to final location selection and sample collection. The instrument underwent quality control (QC) and battery checks each day of use to confirm that it was working properly.
- 5.2.6.4 All samples were shipped to and analyzed by Accutest Laboratories-SE in Orlando, Florida. The surface soil samples were analyzed for: explosives using Method

SW8330B; aluminum, antimony, copper, lead, and zinc using Method SW6010C; and PAHs using Method SW8270D-SIM. Ambient soil samples were analyzed for PAHs only, since a background metals study has been completed for Fort Bliss (Castner Range).

5.2.6.5 Accutest-SE is accredited under the State of Florida, acceding authority for the National Environmental Laboratory Accreditation Program and the DoD Environmental Laboratory Accreditation Program. The laboratory submitted the soil chemical data to Parsons under Sample Delivery Group numbers FA42100, FA42152, and FA42817. The analytical data are presented in **Table 5-1** and **Appendix D**. Parsons validated and assessed the data in accordance with the approved UFP-QAPP for this SI (CAPE, 2016). Data validation determined that the laboratory correctly performed the analyses, and that no data were rejected. The data validation summary report is presented in **Appendix E**.

Table 5-1 Soil Analytical Results Biggs OB Site II, Fort Bliss, Texas

	SITE:			Ambient Location							Biggs OF	3 Site II				
	LOCATION:		OBOD1-AU01		OBOD1-AU02	OBOD1-AU03			OB2	-SU01			OB2	-SU02	OB	2-SU03
	SAMPLE ID:	OBOD1-AU01-SS-01*	OBOD1-AU01-SS-02*	OBOD1-AU01-SS-03*	OBOD1-AU02-SS-01	OBOD1-AU03-SS-01	OB2-SU01-SS-01*	OB2-SU01-SS-01*	OB2-SU01-SS-02*	OB2-SU01-SS-02*	OB2-SU01-SS-03*	OB2-SU01-SS-03*	OB2-SU02-SS-01	OB2-SU02-SS-01	OB2-SU03-SS-01	OB2-SU03-SS-01
	DATE SAMPLED:	03/15/2017	03/15/2017	03/15/2017	03/15/2017	03/15/2017	03/16/2017	04/05/2017	03/16/2017	04/05/2017	03/16/2017	04/05/2017	03/16/2017	04/05/2017	03/16/2017	04/05/2017
	LAB SAMPLE ID:	FA42100-1	FA42100-2	FA42100-3	FA42100-4	FA42100-5	FA42152-4	FA42817-1	FA42152-5	FA42817-2	FA42152-6	FA42817-3	FA42152-7	FA42817-4	FA42152-8	FA42817-5
	LE DEPTH (ft bgs):	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
	Units													7 7.5		
Polynuclear Aromatic Hydrocarbons - SW8270D																
1-Methylnaphthalene	mg/Kg	0.034 U	0.033 U	0.033 U	0.034 U	0.034 U	0.033 U		0.033 U		0.033 U		0.033 U		0.033 U	
2-Methylnaphthalene	mg/Kg	0.034 U	0.033 U	0.033 U	0.034 U	0.034 U	0.033 U		0.033 U		0.033 U		0.033 U		0.033 U	
Acenaphthene	mg/Kg	0.034 U	0.033 U	0.033 U	0.034 U	0.034 U	0.033 U		0.033 U		0.033 U		0.033 U		0.033 U	
Acenaphthylene	mg/Kg	0.034 U	0.033 U	0.033 U	0.034 U	0.034 U	0.033 U		0.033 U		0.033 U		0.033 U		0.033 U	
Anthracene	mg/Kg	0.034 U	0.033 U	0.033 U	0.034 U	0.034 U	0.033 U		0.033 U		0.033 U		0.033 U		0.033 U	
Benzo(a)anthracene	mg/Kg	0.0034 J	0.0066 U	0.0065 U	0.0068 U	0.0045 J	0.0035 J		0.0067 U		0.0067 U		0.0035 J		0.0034 J	
Benzo(a)pyrene	mg/Kg	0.0047 J	0.0051 J	0.0065 U	0.0068 U	0.0056 J	0.0046 J		0.0042 J		0.0038 J		0.0045 J		0.0057 J	
Benzo(b)fluoranthene	mg/Kg	0.0084 J	0.0098 J	0.0060 J	0.0058 J	0.010 J	0.0080 J		0.0073 J		0.0066 J		0.0083 J		0.010 J	_
Benzo(g,h,i)perylene	mg/Kg	0.0042 J	0.0054 J	0.0065 U	0.0068 U	0.0051 J	0.0043 J		0.0036 J		0.0034 J		0.0047 J		0.0052 J	_
Benzo(k)fluoranthene	mg/Kg	0.0068 U	0.0066 U	0.0065 U	0.0068 U	0.0038 J	0.0066 U		0.0067 U		0.0067 U		0.0066 U		0.0033 J	
Chrysene	mg/Kg	0.0056 J	0.0063 J	0.0038 J	0.0038 J	0.0055 J	0.0055 J		0.0046 J		0.0045 J		0.0054 J		0.0055 J	
Dibenz(a,h)anthracene	mg/Kg	0.0068 U	0.0066 U	0.0065 U	0.0068 UJ	0.0068 U	0.0066 U		0.0067 U		0.0043 U		0.0066 U		0.0067 U	
Fluoranthene	mg/Kg	0.034 U	0.033 U	0.033 U	0.034 U	0.034 U	0.033 U		0.033 U		0.033 U		0.033 U		0.033 U	
Fluorene	mg/Kg	0.034 U	0.033 U	0.033 U	0.034 U	0.034 U	0.033 U		0.033 U		0.033 U		0.033 U		0.033 U	
Indeno(1,2,3-cd)pyrene	mg/Kg	0.0041 J	0.0055 J	0.0065 U	0.0068 U	0.0053 J	0.0048 J		0.0036 J		0.0037 J	_	0.0051 J		0.0057 J	
Naphthalene		0.034 U	0.033 U	0.0003 U	0.034 U	0.033 J	0.033 U		0.033 U		0.033 U		0.0031 U		0.033 U	
Phenanthrene	mg/Kg	0.034 U	0.033 U	0.033 U	0.034 U	0.034 U	0.033 U		0.033 U		0.033 U		0.033 U		0.033 U	
	mg/Kg	0.034 U				0.034 U	0.033 U		0.033 U		0.033 U		0.033 U		0.033 U	
Pyrene	mg/Kg	0.034	0.033 U	0.033 U	0.034 UJ	0.034	0.033	-	0.033	_	0.033	-	0.033		0.033	
Explosives - SW8330B																
1,3,5-Trinitrobenzene	mg/Kg						-	0.075 U		0.075 U		0.075 U	-	0.075 U		0.075 U
1,3-Dinitrobenzene	mg/Kg							0.075 U		0.075 U		0.075 U		0.075 U		0.075 U
2,4,6-Trinitrotoluene (TNT)	mg/Kg							0.075 U		0.075 U		0.075 U		0.075 U		0.075 UJ
2,4-Dinitrotoluene	mg/Kg							0.075 U		0.075 U		0.075 U		0.075 U		0.075 U
2,6-Dinitrotoluene	mg/Kg							0.075 U		0.075 U		0.075 U	-	0.075 U		0.075 U
2-Amino-4,6-dinitrotoluene	mg/Kg							0.075 U		0.075 U		0.075 U	-	0.075 U		0.075 U
2-Nitrotoluene	mg/Kg						-	0.075 U		0.075 U		0.075 U	_	0.075 U		0.075 U
3-Nitrotoluene	mg/Kg		-	_	-			0.075 U	-	0.075 U	-	0.075 U	_	0.075 U	 	0.075 U
4-Amino-2,6-dinitrotoluene	mg/Kg		-					0.075 U.	J	0.075 UJ		0.075 UJ	_	0.075 UJ		0.075 UJ
4-Nitrotoluene	mg/Kg		-					0.075 U		0.075 U		0.075 U	_	0.075 U		0.075 U
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	mg/Kg							0.075 U		0.075 U		0.075 U		0.075 U		0.075 U
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	mg/Kg							0.075 U.	J	0.075 UJ		0.075 UJ		0.075 UJ		0.075 UJ
Nitrobenzene	mg/Kg							0.075 U		0.075 U		0.075 U		0.075 U		0.075 U
Nitroglycerin	mg/Kg							0.50 U		0.50 U		0.50 U		0.50 U		0.50 UJ
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	mg/Kg							0.075 U		0.075 U		0.075 U	_	0.075 U		0.075 U
Pentaerythritol Tetranitrate (PETN)	mg/Kg							0.50 U		0.50 U		0.50 U		0.50 U		0.50 U
Motole SW(010C																
Metals - SW6010C	/117							E 420		E 420		4 950		E 000		4.650
Antimony	mg/Kg			-				5,420		5,420		4,850		5,080		4,650 J
Antimony	mg/Kg		-	-	-			0.098 J		0.24 U		0.17 U		0.18 U		0.066 J
Copper	mg/Kg	-	_	-	-		-	8.7	_	8.3	_	7.5		7.6	-	6.8
Lead	mg/Kg		-					12.4		12.1		12.2		12.3		10.4
Zinc	mg/Kg		-	-	_		-	21.5	-	21.4	_	18.6		18.7		17.2
pH - SW9045D					1											
рН	pH units			_	_			7.64		7.53		7.73		7.84		7.51
14	1				1						1		1			1

QA NOTES AND DATA QUALIFIERS:

(NO CODE) - Confirmed identification.

NOTES:

mg/kg - milligrams per kilogram.

ft bgs -feet below ground surface.

⁽NO CODE) - Confirmed identification.

U - Analyte was analyzed for but not detected above the reported limit of detection (LOD).

UJ - Analyte not detected, reported LOD may be inaccurate or imprecise.

J - Analyte detected, estimated concentration.

* - Field triplicate sample.

-- Sample not tested for this analyte.

Detections are bolded.

5.2.7 Background Criteria

5.2.7.1 Metals background concentrations for Fort Bliss were established using samples collected using the Incremental Sampling Method and presented in *Field Demonstration Report of Incremental Sampling Methodology at Closed Castner Firing Range, June 2013* (URS, 2013). The referenced investigation identified the Upper Prediction Limit of the background data set as the threshold value to be used for comparison purposes. These values are presented in **Table 5-2**. Three incremental samples were collected and analyzed to establish the anthropogenic background concentrations of PAHs at the site. The locations of the SUs for these samples were discussed with the project team.

5.2.7.2 No MEC or MD were observed near the ambient sample locations, suggesting that the sample locations were likely representative of naturally occurring soil in the area. The selected background criteria established for this site are summarized in **Table 5-3** (PAHs in surface soil). These criteria are used to evaluate whether evidence of a release of MC is present (Subchapter 5.2.9). If there is an observed release of these analytes, those analytes will be considered further in the SLRA in Chapter 6.

Table 5-2
Background Concentrations for Metals in Soil
Biggs OB Site II, Fort Bliss, Texas

Analyte	CAS Number	Background Value (mg/kg)*
Aluminum	7429-90-5	8,630
Antimony	7440-36-0	0.354
Copper	7440-50-8	19.9
Lead	7439-92-1	20.83
Zinc	7440-66-6	40.4

^{*} Upper Prediction Limit of background data set from Field Demonstration Report of Incremental Sampling Methodology at Closed Castner Firing Range, June 2013, Table 5-3.

Table 5-3
Background Concentrations for Polynuclear Aromatic Hydrocarbons in Surface Soil
Biggs OB Site II, Fort Bliss, Texas

Analyte	Units	Background Value
1-Methylnaphthalene	mg/kg	ND
2-Methylnaphthalene	mg/kg	ND
Acenaphthene	mg/kg	ND
Acenaphthylene	mg/kg	ND
Anthracene	mg/kg	ND
Benzo(a)anthracene	mg/kg	0.00635
Benzo(a)pyrene	mg/kg	0.00627
Benzo(b)fluoranthene	mg/kg	0.0121
Benzo(g,h,i)perylene	mg/kg	0.00647
Benzo(k)fluoranthene	mg/kg	ND
Chrysene	mg/kg	0.00791
Dibenz(a,h)anthracene	mg/kg	ND
Fluoranthene	mg/kg	ND
Fluorene	mg/kg	ND
Indeno(1,2,3-cd)pyrene	mg/kg	0.00687
Naphthalene	mg/kg	ND
Phenanthrene	mg/kg	ND
Pyrene	mg/kg	ND

Notes:

mg/kg = milligram per kilogram ND - Not detected.

5.2.8 Selection of Project Action Limits

The Project Action Limits (PALs) for this project are the most conservative screening value from the applicable Human Health Screening Values for residential soil and protection of groundwater, and Ecological Screening Values. The Human Health Screening Values were selected from the TCEQ Texas Risk Reduction Program (TRRP), Tier 1 Protective Concentration Levels (PCLs) for residential soil, 30-acre source area for direct contact (TotSoilComb) and protection of groundwater (GWSoillng). Ecological Screening Values from the ecological benchmarks from TCEQ Ecological Risk Assessment Program, Conducting Ecological Risk Assessments at Remediation Sites in Texas, January 2014. If an ecological screening value is not available, ecological screening values obtained from the Los Alamos National Laboratory (LANL) EcoRisk Database, Release 3.2, October 2014, are used.

5.2.9 Establishing Chemicals of Potential Concern

- 5.2.9.1 As explained in Subchapter 5.1, an exposure pathway is not considered to be complete unless MC have been released to environmental media. To make this determination, as described in the approved UFP-QAPP (CAPE, 2016), analytes that are detected at concentrations greater than PALs will be compared to background concentrations to determine if the measured concentrations are evidence of a release, or are consistent with naturally occurring concentrations. If an analyte is detected at concentrations greater than PALs and established background values, it will be considered a COPC.
- 5.2.9.2 Each of the MC analyzed was evaluated using these criteria to determine whether MC have been released at OB Site II. Only analytes that meet the conditions noted above are evaluated further in the SLRA in Chapter 6. PAHs are not MC, but they are included on the list because the munitions-related burning and detonation activities that occurred at the project site could have resulted in the release of these analytes.
- 5.2.9.3 In some cases, the limit of quantitation (LOQ) is greater than the screening value. This is common in some analyses due to sample preparation and analytical limitations. This could lead to a situation where the analyte is present at a concentration greater than the screening value, but is reported as "not detected or estimated," leading to a potential underestimate of risk. In such a case, the data will be considered usable for determining nature and extent, and for evaluating risk. Analytes that are not detected will not be considered COPCs.

Table 5-4
Source of Project Action Limits for Metals in Soil, Biggs OB Site II, Fort Bliss, Texas

		Human Health S (mg/l	Screening Values (kg) (1)			
Analyte	CAS Number	Residential Soil Tier 1 PCL (TotSoil _{comb})	Protection of Groundwater Tier 1 PCL (^{GW} Soil _{Ing})	Ecological Screening Values ⁽²⁾ (mg/kg)	LOQ (mg/kg)	Project Action Limit (mg/kg) (3)
Aluminum	7429-90-5	64,000	86,000	(4)	10	64,000
Antimony	7440-36-0	15	2.7	5	1.0	2.7
Copper	7440-50-8	1300	520	70	1.3	70
Lead	7439-92-1	500	1.5	120	1.0	1.5
Zinc	7440-66-6	9,900	1,200	120	1.0	120

- (1) TCEQ, TRRP. The TRRP Tier 1 PCLs for residential soil, 30-acre source area, Table 1 (http://www.tceq.state.tx.us/remediation/trrp/trrppcls.html).
- TCEQ Ecological Risk Assessment Program, Draft: Conducting Ecological Risk Assessments at Remediation Sites in Texas, Table 3.4. Used lowest value of earthworm and plant. Revised Jan 2014. Regulatory guidance (RG) -263 (https://www.tceq.texas.gov/assets/public/remediation/trrp/rg263-draft.pdf).
- (3) The PALs for this project were selected as the most conservative screening value using the applicable Human Health Screening Values for residential soil and protection of groundwater, and Ecological Screening Values. If the PAL would be less than the LOQ, then the LOQ is used as the PAL. This is consistent with TRRP.
- (4) Not available from TCEQ Ecological Risk Assessment Program, Draft: Conducting Ecological Risk Assessments at Remediation Sites in Texas, Table 3.4. USEPA's EcoSSL for Aluminum, November 2003 (http://www.epa.gov/ecotox/ecossl/pdf/eco-ssl_aluminum.pdf) indicates that aluminum will only pose a risk to ecological receptors when soil pH is less than 5.5. At this time, it is not anticipated that site pH will be less than 5.5. If site pH is found to be less than 5.5, then the potential ecological effects of aluminum will be evaluated.

Notes:

mg/kg = milligrams per kilogram

TotSoil_{Comb} = Total Soil Combined, which includes inhalation, ingestion, dermal contact, and vegetable consumption pathways

GWSoil_{Ing} = Soil-to-groundwater leaching of chemicals of concern (COCs) to Class 1 and Class 2 groundwater

Table 5-5
Source of Project Action Limits for Explosives in Soil, Biggs OB Site II, Fort Bliss, Texas

		Human Health S (mg/l	Screening Values (Kg) (1)		LOQ (mg/kg)	
Analyte	CAS Number	Residential Soil Tier 1 PCL (TotSoilcomb)	Protection of Groundwater Tier 1 PCL (^{GW} Soil _{Ing})	Ecological Screening Values ⁽²⁾ (mg/kg)	Method SW 846 8330B	Method SW 846 8330A	Project Action Limit (mg/kg) (3)
2-Amino-4,6-dinitrotoluene	35572-78-2	11	0.05	14 (4)	0.10	0.20	0.10/0.20
4-Amino-2,6-dinitrotoluene	19406-51-0	11	0.033	12 (4)	0.10	0.20	0.10/0.20
1,3-Dinitrobenzene	99-65-0	6.7	0.0038	0.073 (4)	0.10	0.20	0.10/0.20
2,4-Dinitrotoluene	121-14-2	6.9	0.0027	6 (4)	0.10	0.20	0.10/0.20
2,6-Dinitrotoluene	606-20-2	6.9	0.0024	4.1 (4)	0.10	0.20	0.10/0.20
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4	43	0.018	2.3 (4)	0.10	0.20	0.10/0.20
Methyl-2,4,6- trinitrophenylnitramine (Tetryl)	479-45-8	150	0.28	1.5 (4)	0.10	0.20	0.28
Nitrobenzene	98-95-3	34	0.18	40	0.10	0.20	0.18/0.20
Nitroglycerin	55-63-0	6.7	0.0069	13 (4)	1.0	2.0	1.0/2.0
2-Nitrotoluene	88-72-2	21	0.016	9.9 (4)	0.10	0.20	0.10/0.20
3-Nitrotoluene	99-08-1	670	0.92	12 (4)	0.10	0.20	0.92
4-Nitrotoluene	99-99-0	270	0.22	22 (4)	0.10	0.20	0.22
Octahydro-1,3,5,7-tetranitro- 1,3,5,7-tetrazocine (HMX)	2691-41-0	1,600	1.2	16 (4)	0.10	0.20	1.2
Pentaerythritol tetranitrate (PETN)	78-11-5	130	6.2	100 (4)	1.0	2.0	6.2
1,3,5-Trinitrobenzene	99-35-4	2,000	0.91	10 (4)	0.10	0.20	0.91
2,4,6-Trinitrotoluene	118-96-7	33	0.086	7.6 (4)	0.10	0.20	0.10/0.20

⁽¹⁾ TCEQ, TRRP. The TRRP Tier 1 PCLs for residential soil, 30-acre source area, Table 1 (http://www.tceq.state.tx.us/remediation/trrp/trrppcls.html).

TCEQ Ecological Risk Assessment Program, Draft: Conducting Ecological Risk Assessments at Remediation Sites in Texas, Table 3.4. Used lowest value of earthworm and plant. Revised Jan 2014. RG-263 (https://www.tceq.texas.gov/assets/public/remediation/trrp/rg263-draft.pdf).

- The PALs for this project were selected as the most conservative screening value using the applicable Human Health Screening Values for residential soil and protection of groundwater, and Ecological Screening Values. If the PAL would be less than the LOQ, then the LOQ is used as the PAL. This is consistent with TRRP.
- (4) Not available from primary source. Used LANL EcoRisk Database, Release 3.2, October 2014 (http://www.lanl.gov/community-environmental-stewardship/protection/eco-risk-assessment.php).

Notes:

mg/kg = milligrams per kilogram

TotSoil_{Comb} = Total Soil Combined, which includes inhalation, ingestion, dermal contact, and vegetable consumption pathways

 $^{^{}GW}$ Soil $_{Ing}$ = Soil-to-groundwater leaching of COCs to Class 1 and Class 2 groundwater

Table 5-6 Source of Project Action Limits for PAHs in Soil, Biggs OB Site II, Fort Bliss, Texas

		Human Health Screening Values (mg/kg) (1)				
Analyte	CAS Number	Residential Soil Tier 1 PCL (TotSoilcomb)	Protection of Groundwater Tier 1 PCL (^{GW} Soiling)	Ecological Screening Values ⁽²⁾ (mg/kg)	LOQ (mg/kg)	Project Action Limit (mg/kg) (3)
Acenaphthene	83-32-9	3,000	120	20	0.13	20
Acenaphthylene	208-96-8	3,800	200	120 (4)	0.13	120
Anthracene	120-12-7	18,000	3,400	6.8 (4)	0.13	6.8
Benzo(a)anthracene	56-55-3	5.6	8.9	0.8 (4)	0.027	0.8
Benzo(a)pyrene	50-32-8	0.56	3.8	53 (4)	0.027	0.56
Benzo(b)fluoranthene	205-99-2	5.7	30	18 (4)	0.027	5.7
Benzo(g,h,i)perylene	191-24-2	1,800	57,000	24 (4)	0.027	24
Benzo(k)fluoranthene	207-08-9	57	310	62 (4)	0.027	57
Chrysene	218-01-9	560	770	2.4 (4)	0.027	2.4
Dibenzo(a,h)anthracene	53-70-3	0.55	4.8	12 (4)	0.027	0.55
Fluoranthene	206-44-0	2,300	960	10 (4)	0.13	10
Fluorene	86-73-7	2,300	150	30	0.13	30
Indeno(1,2,3-cd)pyrene	193-39-5	5.7	87	62 (4)	0.027	5.7
1-Methylnaphthalene	90-12-0	150	1.5		0.13	1.5
2-Methylnaphthalene	91-57-6	250	8.5	16 (4)	0.13	8.5
Naphthalene	91-20-3	220	16	1 (4)	0.13	1
Phenanthrene	85-01-8	1,700	210	5.5 (4)	0.13	5.5
Pyrene	129-00-0	1,700	560	10 (4)	0.13	10

⁽¹⁾ TCEQ, TRRP. The TRRP Tier 1 PCLs for residential soil, 30-acre source area, Table 1 (http://www.tceq.state.tx.us/remediation/trrp/trrppcls.html).

TCEQ Ecological Risk Assessment Program, Draft: Conducting Ecological Risk Assessments at Remediation Sites in Texas, Table 3.4. Used lowest value of earthworm and plant. Revised Jan 2014. RG-263 (https://www.tceq.texas.gov/assets/public/remediation/trrp/rg263-draft.pdf).

The PALs for this project were selected as the most conservative screening value using the applicable Human Health Screening Values for residential soil and protection of groundwater, and Ecological Screening Values. If the PAL would be less than the LOQ, then the LOQ is used as the PAL. This is consistent with TRRP.

(4) Not available from primary source. Used LANL EcoRisk Database, Release 3.2, October 2014 (http://www.lanl.gov/community-environment/environmental-stewardship/protection/eco-risk-assessment.php).

Notes:

mg/kg = milligrams per kilogram

TotSoil_{Comb} = Total Soil Combined, which includes inhalation, ingestion, dermal contact, and vegetable consumption pathways

 GW Soil $_{Ing}$ = Soil-to-groundwater leaching of COCs to Class 1 and Class 2 groundwater

5.3 EVALUATION OF EXPOSURE PATHWAYS FOR MUNITIONS CONSTITUENTS

This subchapter of the SI Report evaluates exposure pathways specifically for OB Site II. The setting of the overall site is described in Subchapters 5.2.1 through 5.2.5. The analysis of each medium (groundwater, surface water/sediment, soil, and air) is described in detail. The related CSM pathway flow diagram is provided in **Appendix H** and outlined in **Table 5-8**.

5.3.1 Historical Munitions Constituents Information

Prior to this SI, there have been no data to indicate that munitions-related activities at the site have resulted in a release of MC to environmental media.

5.3.2 Groundwater Exposure Pathway

Based on current and future land use, potential receptors that may be present at the MRS include: industrial workers, site security personnel, and ecological receptors. However, no groundwater wells are located at OB Site II. Exposure pathways are incomplete for all site receptors. The groundwater pathway is also incomplete for ecological receptors, since ecological receptors are not typically exposed to groundwater.

5.3.3 Surface Water and Sediment Exposure Pathway

Surface water can serve as a contaminant transport mechanism that may affect surface water bodies, sediment, drinking water supplies, vegetation, and sensitive environments such as wetlands. The likelihood of exposure is influenced by such factors as the mass and concentration of MC in the soil at the ground surface that can be transported to surface water and sediment through runoff and erosion. Surface water and sediment are not present at OB Site II. Therefore, surface water and sediment exposure pathways are incomplete for all site receptors.

5.3.4 Soil Exposure Pathway

Potential soil exposure pathways include: incidental ingestion, dermal contact, and inhalation of dust and volatiles by human and ecological receptors. Contamination in soil can also leach to groundwater and migrate to surface water or sediment via runoff and erosion. Subchapter 5.3.2 discusses the groundwater exposure pathways, Subchapter 5.3.3 discusses the surface water/sediment exposure pathways, and Subchapter 5.3.5 discusses the air exposure pathways. The likelihood of exposure is influenced by such factors as the mass and concentration of contaminants in the soil exposed at the ground surface, site-specific geology, climate, and expected future land use. Surface soil (less than 6 inches bgs) and subsurface soil (greater than 6 inches bgs) were evaluated to determine if complete exposure pathways exist at OB Site II. Ingestion of biota by ecological receptors is conservatively evaluated by comparison to

medium-specific PALs that account for potential uptake by biota, **Section 5.2.8.** Therefore, ingestion of biota will not be considered further in the SI report.

- 5.3.4.1 Physical Source Access Conditions. OB Site II is located approximately 600 feet to the northwest of the main BAAF runway (**Figure 2-1**). The site is fully contained on BAAF property, access is restricted, and the area is secure. OB Site II is not currently active, and future land use at this site is expected to remain the same.
- 5.3.4.2 Actual or Potential Contamination Areas. Potentially contaminated areas include historical OB pits that may not be visible on the surface currently.
- 5.3.4.3 Soil Exposure Pathways and Receptors. Potential soil exposure pathways include: incidental ingestion, dermal contact, and inhalation of dust and volatiles. Site receptors include industrial workers, site security personnel, and ecological receptors.
- 5.3.4.4 Soil Sample Locations and Methods. The soil sample locations and methods are discussed in Subchapter 5.2.6. **Figure 5-1** shows the sample locations. The sample locations were recorded with a GPS unit for later reference. **Appendix B** includes the field notes and field forms for this SI field effort.
- 5.3.4.5 Soil Analytical Results. The surface soil sample analytical results for OB Site II are presented in **Table 5-1**. These results were evaluated using the criteria described in Subchapter 5.2.7. No explosives were detected in the surface soil collected. Also, as shown in **Table 5-7**, no MC metals were detected above the selected background criteria. No PAHs were detected above the PALs.
- 5.3.4.6 Soil Exposure Pathway Conclusions. As mentioned in Subchapter 5.3.4.5, no COPCs were identified in surface soil. Therefore, surface soil exposure pathways at OB Site II are considered incomplete for human and ecological receptors. Subsurface exposure pathways are unconfirmed, due to the possibility of recovering MEC or identifying MC in the subsurface at OB Site II. Subsurface soil exposure pathways are considered potentially complete for industrial workers and ecological receptors via incidental ingestion, dermal contact, and inhalation (dust) from exposure to MC until further investigations can be conducted.

5.3.5 Air Exposure Pathway

The air exposure pathway accounts for hazardous substance migration in gaseous or particulate form through the air. Inhalation of a contaminant can be an exposure pathway for human and ecological receptors. No air sampling was performed at OB Site II.

- 5.3.5.1 Climate. The climate at the site is described in Subchapter 2.2.2.
- 5.3.5.2 Releases and Potential Releases to Air. There are no known direct releases of MC to air at OB Site II. During dry and windy conditions, soil particulates

can become airborne. If there were releases of MC to soil from munitions activities, it is possible the constituents would migrate to air via re-suspension of soil particles.

- 5.3.5.3 Air Exposure Pathways and Receptors. Based on the known current and future uses of the land, the potential receptors would include industrial workers, site security personnel, and ecological receptors. Exposure would occur through inhalation of MC in dust if contamination is present.
- 5.3.5.4 Air Sample/Monitoring Locations and Methods. Air sampling was not conducted as part of this SI.
- 5.3.5.5 Air Analytical Results. Not applicable, since no air samples were collected.
- 5.3.5.6 Air Exposure Pathway Conclusions. As discussed in Subchapter 5.3.5.3, inhalation of MC in dust is a potentially complete pathway from exposure to subsurface soil at OB Site II. If a buried MEC item is recovered in the subsurface, it is possible for MC contamination to occur. If MC contamination is identified in subsurface soil, then inhalation exposure pathways would be complete, and risks from exposure to MC may be present. However, as there are no COPCs identified in surface soil, the air exposure pathways associated with exposure to MC in air as a result of re-suspension of soil particulates from surface soil is incomplete. Receptors include industrial workers, site security personnel, and ecological receptors.

Table 5-7 Soil Source Evaluation Biggs OB Site II, Texas

Analyte	Units	Maxii Detec Concentr	cted	Potential MC?	PAL (2)	Exceeds PAL?	Background Value	Exceeds Background Value?	Further Evaluation Required?	Primary reason for exclusion from further evaluation
Explosives		1			T		,			
1,3,5-Trinitrobenzene	mg/kg	0.075	U	Yes	0.91	No	N/A	N/A	No	Not detected at site
1,3-Dinitrobenzene	mg/kg	0.075	U	Yes	0.10	No	N/A	N/A	No	Not detected at site
2,4,6-Trinitrotoluene	mg/kg	0.075	U	Yes	0.10	No	N/A	N/A	No	Not detected at site
2,4-Dinitrotoluene	mg/kg	0.075	U	Yes	0.10	No	N/A	N/A	No	Not detected at site
2,6-Dinitrotoluene	mg/kg	0.075	U	Yes	0.10	No	N/A	N/A	No	Not detected at site
2-Amino-4,6-dinitrotoluene	mg/kg	0.075	U	Yes	0.10	No	N/A	N/A	No	Not detected at site
2-Nitrotoluene	mg/kg	0.075	U	Yes	0.10	No	N/A	N/A	No	Not detected at site
3-Nitrotoluene	mg/kg	0.075	U	Yes	0.92	No	N/A	N/A	No	Not detected at site
4-Amino-2,6-dinitrotoluene	mg/kg	0.075	UJ	Yes	0.10	No	N/A	N/A	No	Not detected at site
4-Nitrotoluene	mg/kg	0.075	U	Yes	0.22	No	N/A	N/A	No	Not detected at site
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	mg/kg	0.075	U	Yes	0.10	No	N/A	N/A	No	Not detected at site
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	mg/kg	0.075	UJ	Yes	0.28	No	N/A	N/A	No	Not detected at site
Nitrobenzene	mg/kg	0.075	U	Yes	0.18	No	N/A	N/A	No	Not detected at site
Nitroglycerin	mg/kg	0.50	U	Yes	1.0	No	N/A	N/A	No	Not detected at site
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	mg/kg	0.075	U	Yes	1.2	No	N/A	N/A	No	Not detected at site
Pentaerythritol Tetranitrate (PETN)	mg/kg	0.50	U	Yes	6.2	No	N/A	N/A	No	Not detected at site
Metals					II.		•		•	
Aluminum	mg/kg	5,420		Yes	64,000	No	8,630	No	No	Not detected above PAL
Antimony	mg/kg	0.098	J	Yes	2.7	No	0.354	No	No	Not detected above PAL
Copper	mg/kg	8.7		Yes	70	No	19.9	No	No	Not detected above PAL
Lead	mg/kg	12.4		Yes	1.5	Yes	20.83	No	No	Not detected above background
Zinc	mg/kg	21.5		Yes	120	No	40.4	No	No	Not detected above PAL

Table 5-7, cont'd Soil Source Evaluation Biggs OB Site II, Texas

Analyte	Units	Maximum Detected Concentration (1)	Potential MC?	PAL (2)	Exceeds PAL?	Background Value	Exceeds Background ?	Further Evaluation Required?	Primary reason for exclusion from further evaluation?			
Polynuclear Aromat	Polynuclear Aromatic Hydrocarbons											
1-Methylnaphthalene	mg/kg	0.033 U	Yes	1.5	No	ND	N/A	No	Not detected at site			
2-Methylnaphthalene	mg/kg	0.033 U	Yes	8.5	No	ND	N/A	No	Not detected at site			
Acenaphthene	mg/kg	0.033 U	Yes	20	No	ND	N/A	No	Not detected at site			
Acenaphthylene	mg/kg	0.033 U	Yes	120	No	ND	N/A	No	Not detected at site			
Anthracene	mg/kg	0.033 U	Yes	6.8	No	ND	N/A	No	Not detected at site			
Benzo(a)anthracene	mg/kg	0.0035 J	Yes	0.80	No	0.00635	No	No	Not detected above PAL			
Benzo(a)pyrene	mg/kg	0.0057 J	Yes	0.56	No	0.00627	No	No	Not detected above PAL			
Benzo(b)fluoranthene	mg/kg	0.010 J	Yes	5.7	No	0.0121	No	No	Not detected above PAL			
Benzo(g,h,i)perylene	mg/kg	0.0052 J	Yes	24	No	0.00647	No	No	Not detected above PAL			
Benzo(k)fluoranthene	mg/kg	0.0033 J	Yes	57	No	ND	N/A	No	Not detected above PAL			
Chrysene	mg/kg	0.0066 J	Yes	2.4	No	0.00791	No	No	Not detected above PAL			
Dibenz(a,h)anthracene	mg/kg	0.0067 U	Yes	0.55	No	ND	N/A	No	Not detected at site			
Fluoranthene	mg/kg	0.033 U	Yes	10	No	ND	N/A	No	Not detected at site			
Fluorene	mg/kg	0.033 U	Yes	30	No	ND	N/A	No	Not detected at site			
Indeno(1,2,3-cd)pyrene	mg/kg	0.0057 J	Yes	5.7	No	0.00687	No	No	Not detected above PAL			
Naphthalene	mg/kg	0.033 U	Yes	1.0	No	ND	N/A	No	Not detected at site			
Phenanthrene	mg/kg	0.033 U	Yes	5.5	No	ND	N/A	No	Not detected at site			
Pyrene	mg/kg	0.033 U	Yes	10	No	ND	N/A	No	Not detected at site			

^{(1) –} See **Table 5-1** for surface soil analytical results.

^{(2) –} PAL as listed in **Tables 5-4, 5-5, and 5-6**.

U - Data are qualified as non-detected.

J – Data are qualified as estimated.

mg/kg - milligrams per kilogram

N/A – Not Applicable

5.4 PRESENCE OF MUNITIONS CONSTITUENTS CONTAMINATION

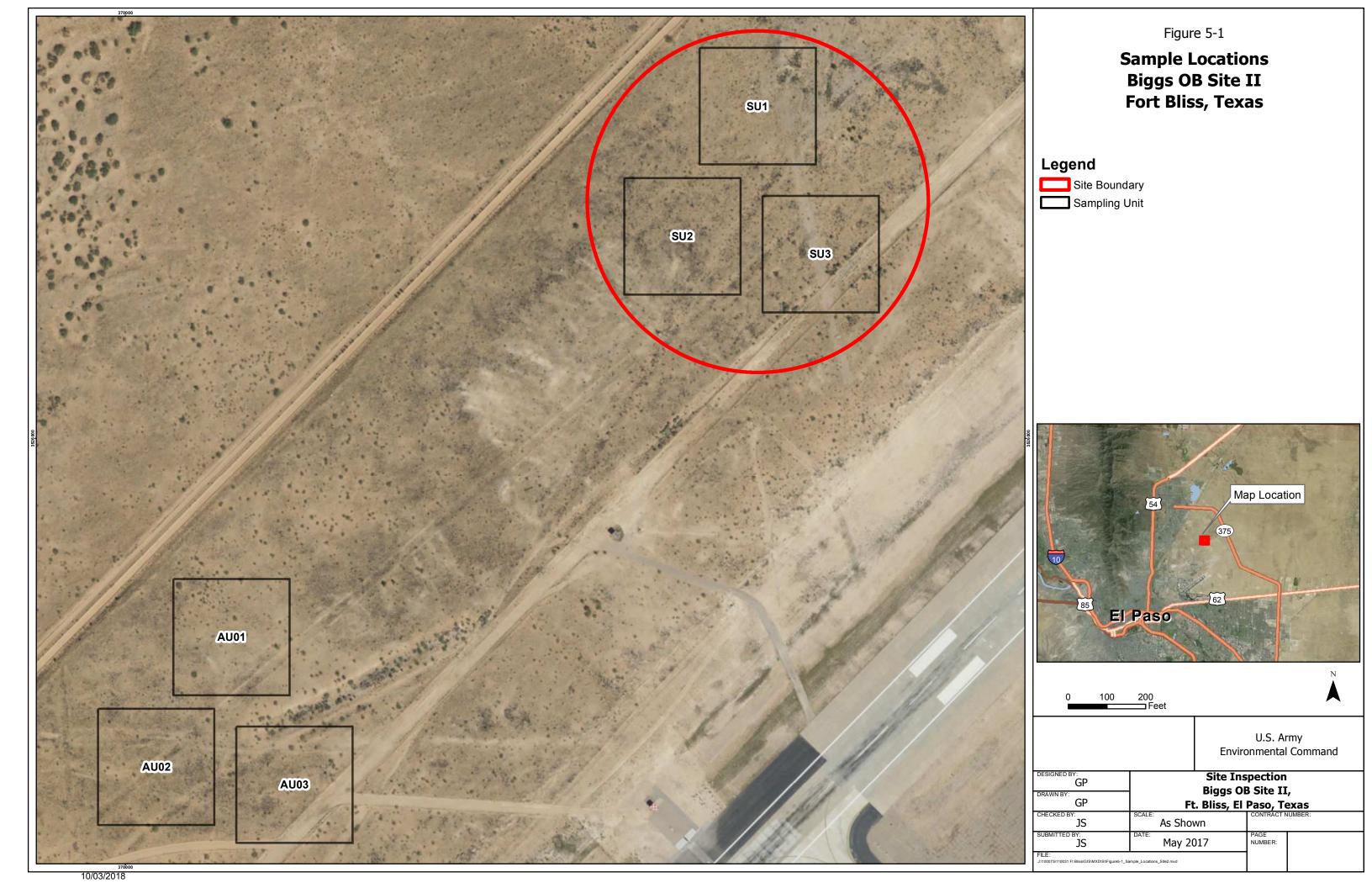
- **5.4.1** The presence or absence of COPCs within an MRS can be used to approximate the extent of MC contamination in that location. This information could be used to focus MC characterization efforts conducted during any future RI/FS.
- **5.4.2** As described in the preceding subchapters, the samples collected and the related analytical data were evaluated to determine whether COPCs were present within OB Site II. The general results of this evaluation indicate that no COPCs were detected within the site (Subchapter 5.3). Based on the results of the sampling and analysis conducted for this SI, there is no evidence of a release of MC to environmental media at OB Site II. However, due to the potential presence of subsurface disposal features, there is a potential for MEC and MC to be present in subsurface soil. If MC contamination is identified in subsurface soil, then exposure pathways would be complete, and risks from exposure to MC may be present.

5.5 REVISED CONCEPTUAL SITE MODEL

- **5.5.1** Based on the results of the MEC and MC investigations conducted at OB Site II as presented in Chapters 4 and 5 of this report, the preliminary CSM described in Subchapter 3.1 was reviewed and updated to reflect any new applicable information. This revised CSM (presented in **Table 5-8**) summarizes the most current information for the site. The revised CSM pathway flow diagram presenting the exposure pathways at the site is presented in **Appendix J**.
- **5.5.2** The revised CSM for OB Site II indicates that various munitions, including 20mm, 37mm, and 40mm projectiles; hand grenades; and small-arms ammunition are potentially present in surface and subsurface soil at the MRS. Regarding MC, the revised CSM indicates that there are no COPCs at the site. The approximate location of the MEC contamination is discussed in Subchapter 4.3.
- **5.5.3** As a result of this MEC contamination, potentially complete exposure pathways are present at the site that might result in industrial workers and site security personnel being exposed to explosive hazards in soil at the site. These potentially complete exposure pathways are summarized in **Table 5-8** and in the revised CSM pathway flow diagrams in **Appendix H**. The revised CSM can be used to focus future investigations or response actions at OB Site II by highlighting the areas and media where explosive hazards are most likely to be present.

Table 5-8
Details and Results of Site Inspection, and Overview of Revised Conceptual Site Model,
Biggs OB Site II, Fort Bliss, Texas

		DETAI	LS AND RESULTS O	F SITE INSPECTIO	N		REVISED CONCEPTUAL SITE MODEL SUMMARY				
Site Details	Known or Suspected Contamination Source(s)	Potential/Suspected Location and Distribution	Investigation Method(s)	Investigation Location(s)	Actual Investigation Acreage/Number of Samples	Investigation Results	Known or Suspected Contamination Source(s)	Expected Location and Distribution	Source or Exposure Medium	Current and Future Receptors	Potentially Complete Exposure Pathways
NAME: OB SITE II Acreage: 14 acres Suspected Past DoD Activities (release	Munitions and Explosives of Concern: Various munitions including 20mm and 37mm projectiles, hand grenades, and small-arms ammunition	Potential to find residual MEC/MPPEH in or beneath disposal features	Geophysical surveys	Throughout the survey footprint along parallel transects at approx. 10-foot spacing	Seven (7) acres of visual survey (surface sweep for metallic debris) 10 miles of DGM survey transects	One MEC item found on the surface (40mm high-explosive [HE] projectile) Six (6) possible subsurface MEC- related disposal	MEC in Surface Soil: Various munitions including 20mm, 37mm, and 40millimeter (mm) projectiles, hand grenades, and small-arms ammunition	Potentially located throughout MRS; however, presence is expected to be limited	Surface soil	Current and Future: Industrial workers, site security personnel	Exposure to MEC on surface
mechanisms): Possibly munitions disposal by open burning, which might have released MEC (most likely UXO) at disposal features Current and Future Land Use: Industrial, and is expected to	sposal ch MEC Land	features identified by DGM surveys	MEC in Subsurface Soil: Various munitions including 20mm, 37mm, and 40mm projectiles, hand grenades, and small- arms ammunition	Potentially located in possible subsurface MEC-related disposal features (Figure 4-2); isolated subsurface items (i.e., kick-outs) may be present if munitions disposal confirmed	Subsurface soil	Current and Future: Industrial Workers (intrusive only)	Exposure to MEC in subsurface soil				
remain unchanged in the future.	Munitions Constituents: Explosives, metals (aluminum, antimony, copper, lead, and zinc), and PAHs	Potentially present in soil in and beneath disposal features and also across the surface of the site.	Collect surface soil ISM samples and analyze for MC; 0- to 6-inch sample depth	Throughout the site (Figure 5-1)	Three (3) surface soil samples	No COPCs detected in surface soil Subsurface soil not evaluated in SI	MC in Surface Soil: No COPCs identified MC in Subsurface Soil: Subsurface soil not investigated. MC may have been released to	No evidence of a release of MC to surface soil MC may have been released to subsurface soil in munitions-related	Surface soil Subsurface soil	NONE Current and Future: Industrial Workers and	NONE Exposure to MC in subsurface soil
							subsurface soil in munitions-related disposal features MC in Groundwater: Not expected.	Not expected.	Groundwater	ecological receptors NONE	NONE



CHAPTER 6 SCREENING-LEVEL RISK ASSESSMENT

6.1 MUNITIONS AND EXPLOSIVES OF CONCERN SCREENING-LEVEL HAZARD ASSESSMENT

6.1.1 Conceptual Site Model

The CSM for OB Site II summarizes conditions at the site that could result in human exposure to MEC. It describes the types of MEC potentially present, past MEC and MD findings, and current and projected future land use and receptors for the site. The revised CSM is discussed in Subchapter 5.5 of this report, and concluded that potentially complete MEC exposure pathways are present at the site.

6.1.2 Introduction

- 6.1.2.1 A qualitative hazard evaluation was conducted to assess the potential explosive safety risk to the public at OB Site II. The purpose of this hazard evaluation is to qualitatively communicate whether a potential hazard is present at the site and the primary causes of that potential hazard. The hazard evaluation presented here is based on historical information and observations made during the SI activities.
- 6.1.2.2 An explosive safety hazard exists if a person can come near or into contact with an MEC item and interact with it in a manner that results in a detonation. The potential for an explosive safety hazard depends on the presence of three critical elements:
- a source (i.e., presence of MEC), AND
- a human receptor (i.e., a person), AND
- the potential for interaction between the source and receptor (i.e., the possibility that the item might be picked up or disturbed by the receptor).
- 6.1.2.3 All three of these elements must be present for there to be an explosive safety hazard. There is no hazard if any one element is missing. Each of these three elements provides a basis for implementing effective hazard management response actions.

6.1.3 Qualitative Hazard Evaluation

- 6.1.3.1 The potential hazard posed by MEC was characterized qualitatively by evaluating three primary factors. These factors are related to the three critical elements listed above and are:
- 1) MEC Presence: whether there is the potential for MEC to be present at the MRS;

- 2) MEC Type: the type(s) of MEC that might be present at the MRS and the related potential explosive hazards; and
- 3) Site Accessibility: the potential receptors at the MRS and how they might interact with the MEC.
- 6.1.3.2 The known or suspected presence of an explosive hazard and any potential human receptors at an MRS will typically be considered sufficient justification for an RI/FS. The following paragraphs describe each of the primary hazard factors.
- 6.1.3.3 **MEC Presence:** This factor describes whether MEC either has been confirmed or is suspected to be present at the MRS, either at the surface or in the subsurface, and is based on historical information and observations made during the SI. Note that if there is historical evidence of potential MEC presence at a site, lack of confirmation of MEC presence during the SI will not be considered as evidence of MEC absence for this qualitative hazard evaluation. **Table 6-1** lists the three possible categories used to describe MEC presence for this evaluation.

Table 6-1 Categories of MEC Presence

MEC Presence	Description
Confirmed or suspected	There is physical or confirmed historical evidence of MEC presence at the MRS, or there is physical or historical evidence indicating that MEC may be present at the MRS.
Small arms only ⁽¹⁾	The presence of small arms ammunition is confirmed or suspected, and there is evidence that no other types of munitions were used or are present at the MRS.
Evidence of no munitions	Following inspection of the MRS, there is physical or historical evidence that no UXO or Discarded Military Munitions (DMM) are present.

⁽¹⁾ Small arms ammunition is defined as "ammunition, without projectiles that contain explosives (other than tracers), that is .50 caliber or smaller or for shotguns" (Department of the Army, 2005).

6.1.3.4 MEC Type: This factor describes whether the MEC potentially present at the MRS might be detonated, resulting in injury to one or more human receptors. If multiple MEC items are potentially present at an MRS, the item that poses the greatest hazard to public health is selected for purposes of this qualitative hazard evaluation. This determination is based on historical information and observations made during the SI. **Table 6-2** lists the three possible categories used to describe MEC Type for this evaluation.

Table 6-2 Categories of MEC Type

MEC Type	Description
Potentially Hazardous	Fuzed or unfuzed MEC that may result in physical injury to an individual if detonated by an individual's activities.
Small arms only ⁽¹⁾	Small arms ammunition is confirmed or suspected, and there is evidence that no other types of munitions were used or are present at the MRS.
Inert	MD or other items that will cause no injury (e.g., training munitions containing no explosives, fuzes, spotting charges, etc.).

⁽¹⁾ Small arms ammunition is defined as "ammunition, without projectiles that contain explosives (other than tracers), that is .50 caliber or smaller or for shotguns" (Department of the Army 2005).

6.1.3.5 Site Accessibility: this factor describes whether human receptors have any access to the MRS and, therefore, may interact with any MEC present at the surface or in the subsurface. For purposes of this qualitative hazard evaluation, if MEC is confirmed or suspected to be present at the MRS, it is assumed that human receptors might come into contact with that MEC unless there is "Complete Restriction to Access." A description of the potential receptors will also be given with this assessment. Table 6-3 lists the two possible categories used to describe Site Accessibility for this evaluation.

Table 6-3
Categories of Site Accessibility

Site Accessibility	Description
Accessible	Access control is not complete: residents, site workers, or site visitors can gain access to all or part of the MRS.
Complete restriction to access	Human receptors are completely prevented from gaining access to the MRS.

6.1.3.6 With regard to this qualitative hazard evaluation, further evaluation (i.e., RI/FS) for the site will typically be justified if the following conditions are true:

- MEC is confirmed or suspected to be present, AND
- The MEC confirmed or suspected to be present is potentially hazardous, AND
- The MRS is accessible.

6.1.3.7 The primary hazard factors identified above were evaluated for OB Site II using data collected during the SI field inspection and the historical data available. The following sections discuss the qualitative hazard evaluation by each primary hazard factor to determine whether or not further evaluation is justified at the site.

6.1.4 Munitions and Explosives of Concern Hazard Assessment

6.1.4.1 One MEC item, a 40mm projectile, was found during the SI field activities performed in March and April 2017. No MD was observed, but 14 potential subsurface MEC-related disposal features were identified through the DGM transect survey. No discoveries of MEC have been historically reported at this MRS. Because of the MEC item found during the SI, there is a potential for additional MEC items. Based on this information, the presence of MEC at OB Site II is assessed to be "Confirmed or Suspected."

6.1.4.2 Due to the potential for the site to have been used for munitions disposal, a generalized list of the potential MEC items that could be present at the site includes various munitions, including 20mm, 37mm, and 40mm projectiles; hand grenades; and small-arms ammunition. A 40mm projectile was found on the surface during SI activities at the site. Based on this information, the MEC Type at OB Site II is assessed to be "Potentially Hazardous."

6.1.4.3 The site is fully contained on BAAF property, access is restricted, and the area is secure. There is an access gate to the general area located approximately 1 mile to the west of the site and a dirt road located just north of the runway running parallel with the runway, which allows for access to this site. Potential receptors at the site include industrial workers and site security personnel. Based on this information, the Site Accessibility at OB Site II is considered to be "Accessible."

6.1.5 Hazard Summary

The qualitative MEC hazard evaluation for OB Site II is summarized in **Table 6-4**. Based on this qualitative MEC hazard evaluation, there is the possibility that human receptors might come into contact with MEC at the site and, therefore, there is the potential for an explosive safety hazard.

Table 6-4 MEC Hazard Evaluation Biggs OB Site II, Fort Bliss, Texas

Site	MEC Presence	МЕС Туре		Site Accessibility	Further Evaluation?
Biggs OB Site II	Confirmed or suspected	Various munitions, including 20mm, 37mm, and 40mm projectiles; hand grenades; and small-arms ammunition	Potentially Hazardous	Accessible	Yes

6.2 MUNITIONS CONSTITUENTS HUMAN HEALTH SCREENING LEVEL RISK ASSESSMENT

As discussed in Subchapter 5.2.8, the SLRA evaluates only MC contamination found at the site. Because no explosives were detected in any of the samples and concentrations of metals and PAHs did not exceed the selected background criteria, there is no evidence of a release of MC or PAHs to surface soil at the site, and surface soil exposure pathways are incomplete. Therefore, no unacceptable risks to human health are expected from exposure to surface soil at OB Site II. However, due to the potential presence of subsurface disposal features, there is a potential for MEC and MC to be present in subsurface soil. If MC contamination is identified in subsurface soil, then exposure pathways would be complete, and risks from exposure to MC may be present.

6.3 MUNITIONS CONSTITUENTS ECOLOGICAL SCREENING LEVEL RISK ASSESSMENT

Because no explosives were detected in any of the samples and concentrations of metals and PAHs did not exceed the selected background criteria, there is no evidence of a release of MC or PAHs to surface soil at the site, and surface soil exposure pathways are incomplete. Therefore, no unacceptable risks to ecological receptors are expected from exposure to surface soil at OB Site II. However, due to the potential presence of subsurface disposal features, there is a potential for MEC and MC to be present in subsurface soil. If MC contamination is identified in subsurface soil, then exposure pathways would be complete, and risks from exposure to MC may be present.

CHAPTER 7 SUMMARY AND CONCLUSIONS

7.1 SUMMARY

- 7.1.1 An SI was performed at the Biggs OB Site II at Fort Bliss, Texas, by evaluating site-specific conditions that could impact the potential for completed exposure pathways to human and ecological receptors at the site. The primary objective and purpose of the SI was the determination, using DGM surveys and MC sampling, as to whether the site should be recommended for immediate action (Time Critical Removal Action [TCRA]), subsequent characterization actions (such as a RI/FS), or no further action. There is very little documentation on the history or activities performed at the investigation site. Based on inference from the history of BAAF, the historical use of the site may date back to the Army during World War II, when the area was potentially used for disposal of munitions (from the 1940s through 1966). The types of ordnance potentially associated with the site include various munitions, including 20mm, 37mm, and 40-mm projectiles; hand grenades; and small-arms ammunition.
- **7.1.2** The site is fully contained within the boundaries of BAAF. It is located in an industrial use area, just north of the main BAAF runway. The site is not currently in use. The land use for this area is expected to remain the same in the future.
- 7.1.3 To assess the potential presence of MEC at Biggs OB Site II, the SI field team collected and analyzed 10 miles of DGM transect data. Based on the DGM results, 14 areas with elevated anomaly density were identified. These areas are too large to indicate single small geophysical anomalies and indicate larger sources, such as debris pits, metallic infrastructure, and/or utilities. Each of these elevated anomaly density areas was evaluated with respect to the visual observations made (Subchapter 4.2). Unless the visual observations indicated non-munitions related material considered to be sufficient to be the anomaly source, the anomalous area was assumed to be a potential MEC-related disposal feature. This approach was consistent with the approved project DQOs (Subchapter 3.7). Based on this evaluation, six of the 14 subsurface features observed in the data were identified to be possible MEC-related disposal features (i.e., anomalies possibly indicative of pits or trenches) because there was no clear non-munitions related rationale for the anomalies. Eight of the subsurface features were linked to visible non-munitions related sources. On this basis and in accordance with the approved DQOs for project (Subchapter 3.7), the potential for MEC contamination is assumed in subsurface soil. The locations of the possible munitions disposal features are shown on Figure 4-2. Note these are only possible disposal features and are not yet confirmed to be MEC-related. In addition to these observations, one MEC item (a 40mm projectile) was identified on the surface just outside the boundary of Biggs OB Site II, which also indicates some potential for MEC to be on the surface at the site. However, it should be noted no other MEC, MPPEH, or MD were

observed during the field investigation. Because only one MEC item was found despite the large area of the site covered during the DGM data collection, the potential for finding additional items on the surface at OB Site II is considered to be low. It is also possible this single MEC item might be related to disposal operations at OB/OD Site I, which is located 0.9 miles to the south, or to other activities at Fort Bliss rather than to as yet unconfirmed disposal operations at OB Site II. Based on the potential use of the site as a munitions disposal area, it is possible that additional MEC items in the form of UXO might remain on the surface and in the subsurface at the site.

During the SI at OB Site II, three incremental surface soil samples (plus two 7.1.4 field triplicate samples) were collected within the MRS. In addition, three ambient surface soil samples were collected in locations not expected to have been affected by munitions-related activities. The surface soil samples were analyzed for: explosives, using Method SW8330B; aluminum, antimony, copper, lead, and zinc, using Method SW6010C; and PAHs, using Method SW8270D-SIM. Ambient soil samples were analyzed for PAHs only, since a background metals study has been completed for Fort Bliss. No explosives were detected in any of the samples, and no metals or PAHs were detected above selected background criteria. Because no explosives were detected in any of the samples and concentrations of metals and PAHs did not exceed the selected background criteria, there is no evidence of MC contamination in surface soil at the site, and surface human and ecological exposure pathways are incomplete. Therefore, no unacceptable risks to human health or ecological receptors are expected from exposure to surface soil at OB Site II. However, due to the potential presence of subsurface disposal features, there is a potential for MC to be present in subsurface soil. If MC contamination is identified in subsurface soil, then exposure pathways would be complete, and risks from exposure to MC may be present.

7.2 STATUS OF DATA QUALITY OBJECTIVES

7.2.1 Munitions and Explosives of Concern – Determination of Presence or Absence

7.2.1.1 As described in **Table 3-2**, the MEC DQOs for OB Site II included conducting DGM surveys throughout the site. The DGM transect data were used to identify potential disposal features. The presence of potential disposal features at the site would be considered evidence that there was a possibility for MEC contamination. To achieve this MEC DQO, DGM surveys were conducted across the site. The total distance of DGM transects completed was 10 miles. Geophysical investigations achieved applicable MPC as stated in the UFP-QAPP and confirmed by the IVS Report as stipulated in the DQOs (**Table 3-2**).

7.2.1.2 For these reasons, based on the summary above and the information presented elsewhere in this report, the data obtained are considered sufficient to complete the SI for OB Site II, and the MEC DQOs for this SI are determined to have been achieved.

7.2.2 Munitions Constituents – Determination of Presence or Absence

- 7.2.2.1 As described in **Table 3-2**, the MC DQOs for evaluating the presence/absence of MC contamination at OB Site II included the collection and analysis of soil samples collected throughout the site. In addition to these DQOs, unless failures could be adequately explained and/or justified, all analytical data had to achieve the applicable measurement quality objectives as defined in the approved UFP-QAPP (CAPE, 2016).
- 7.2.2.2 To achieve the DQOs for MC, three surface soil samples (plus two field triplicate samples) were collected from throughout the site (Subchapter 5.2). The number of samples collected matched the number specified in the DQOs (**Table 3-2**). These samples were analyzed for MC as defined in the approved UFP-QAPP (CAPE, 2016), and the results were compared to screening values to evaluate the presence of COPCs. Conclusions regarding the presence or absence of COPCs were made based on the comparison of the detected site concentrations to PALs (Subchapter 5.3).
- 7.2.2.3 For these reasons, based on the summary above and the information presented elsewhere in this report, the data obtained during this SI are considered sufficient to evaluate the presence or absence of MC contamination at OB Site II, and the MC DQOs for this SI have been achieved.

7.3 CONCLUSIONS

- **7.3.1** An exposure pathway is not considered to be complete unless <u>all</u> four of the following elements are present (USEPA, 1989):
- There is a source of contamination: e.g., a site has known MEC, from which MC have leached and contaminated pertinent media.
- The contaminant is present in a media in which it can be transported: e.g., the MC in soil is mobile and can contaminate groundwater.
- There is a point of exposure where a contaminant can interact with a receptor: e.g., a drinking water well drawing from the contaminated aquifer is located at the site
- A route exists for the medium and receptor to interact at the point of exposure: e.g., a resident uses groundwater for drinking water.
- **7.3.2** The Army identified Biggs OB Site II as a possible munitions disposal area. DGM surveys conducted during the SI identified six geophysical anomalies that could not be attributed to non-munitions related sources. Consequently, in accordance with the approved project DQOs, these anomalies are assumed to be potential MEC-related subsurface disposal features. In addition to these observations, one MEC item (a 40mm projectile) was discovered on the surface just outside the boundary of Biggs OB Site II, which also indicates limited potential for additional MEC to remain on the surface. Therefore, based on the potential use of the site as a munitions disposal area, it is possible that additional MEC items in the form of UXO might remain on the surface

and in the subsurface at Biggs OB Site II, and further evaluation is needed to address the possible explosive hazards that remain. The approximate distribution of this MEC contamination is shown on **Figure 4-2**.

- **7.3.3** Because no explosives were detected in any of the samples and the concentrations of metals and PAHs did not exceed the selected background criteria, there is no evidence of MC contamination in surface soil at the site, and surface human and ecological exposure pathways are incomplete. Therefore, no unacceptable risks to human health or ecological receptors are expected from exposure to surface soil at OB Site II. However, due to the potential presence of subsurface disposal features, there is a potential for MEC and MC to be present in subsurface soil. If MC contamination is identified in subsurface soil, then exposure pathways would be complete, and risks from exposure to MC may be present.
- **7.3.4** The results of this SI were used to update the CSM (Subchapter 5.5). The revised CSM should be used to focus future investigations or response actions at the site by highlighting the areas and media where explosive hazards are most likely to be present.
- **7.3.5** The DQOs for this SI were achieved for both the MEC and MC components of the investigation. Therefore, the data obtained during this SI are considered sufficient to evaluate the presence or absence of MEC and MC contamination at the Biggs OB Site II.

CHAPTER 8 RECOMMENDATIONS

8.1 RESULTS

The results of this SI indicate that MEC contamination may remain on the surface and in the subsurface at OB Site II. Based on these results and the qualitative MEC hazard assessment performed, there is the possibility that human receptors might come into contact with MEC at the site and, therefore, there is the potential for explosive safety hazards. The MC risk assessment concluded that there are no unacceptable risks to human health or ecological receptors from exposure to surface soil at OB Site II. However, due to the potential presence of subsurface disposal features, there is a potential for MC to be present in subsurface soil. Based on the results of this SI, it is recommended that an RI/FS be conducted to further evaluate the potential disposal features indicated by the data gathered (**Figure 4-2**).

8.2 **RECOMMENDATIONS**

Since the site is not currently in use and there is restricted access to the area, there is no imminent threat to human health and the environment. For this reason, a TCRA is not recommended at this time. These recommendations and their rationales are summarized in **Table 8-1**. The SI findings are summarized as follows:

- Historic information and the results of this SI indicate that there is the potential for MEC to be present on the surface or in the subsurface. Based on the potential presence of MEC, there may be explosive safety hazards.
- There are no COPCs present in the surface soil at the site. Consequently, there are
 no unacceptable risks to human health or ecological receptors expected from
 exposure to surface soil at OB Site II. However, due to the potential presence of
 subsurface disposal features, there is a potential for MC to be present in subsurface
 soil.
- The results of this SI were used to update the CSM to indicate the areas and media where explosive hazards are most likely to be present, and should be used to focus future investigations or response actions.
- The DQOs for this SI were achieved for both the MEC and MC components of the investigation. Therefore, the data obtained during this SI are considered sufficient to evaluate the presence or absence of MEC and MC contamination with OB Site II.

Table 8-1 Site Inspection Recommendations Biggs OB Site II, Fort Bliss, Texas

Site	Recommendation	Rationale
Biggs OB Site II	RI/FS for MEC and MC	Site was potentially used for munitions disposal, and possible subsurface disposal features were identified, though not confirmed
		One MEC item was found on the surface just outside the site boundary
		MEC hazard assessment concluded there is the potential for explosive safety hazards on the surface and in subsurface soil at this MRS
		Concentrations of MC were not detected above background and human health and ecological screening values in surface soil
		The presence of possible subsurface disposal features means a possibility of MC contamination remains in subsurface soil, though this has not been confirmed

CHAPTER 9 REFERENCES

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APPENDIX A PERFORMANCE WORK STATEMENT

PERFORMANCE WORK STATEMENT

Environmental Remediation Services at Four Installation Remedial Program Sites and Military Munitions Program Sites Fort Bliss, Texas

13 March 2015

Final Version 4- as of 13 April 15

PART 1

GENERAL INFORMATION

- 1. **General:** This is a non-personal services firm-fixed price contract to provide environmental remediation services for four (4) sites at Fort Bliss.
- 1.1 Description of Services: The Contractor shall provide all personnel, equipment, supplies, facilities, transportation, tools, materials, supervision, and other items and non-personal services necessary to complete the contract requirements specified in Table 1 of this Performance Work Statement (PWS) except for those items specified as Government furnished property and services (See Part 3). The Contractor shall perform to the standards in this task order and the Basic Contract.
- 1.1.1. The Contractor shall be responsible for fully executing the Firm Fixed Price (FFP) task order under a Performance Based Acquisition (PBA) approach. The Contractor shall conduct required environmental investigation services for which the United States Department of the Army (the "Army") is statutorily responsible; addressing any and all environmental, explosive safety, scheduling, and regulatory issues, and assuming contractual liability and responsibility for the achievement of the performance objectives for the aforementioned sites.
- 1.1.2. The Contractor shall comply with all applicable Federal, state, and local laws and regulations and achieve the contract requirements of this PWS in a manner that is consistent with any applicable orders or permits, all existing cleanup agreements or guidance for the Installation, and relevant Department of Defense (DOD) and Army regulations, policies, and procedures, for the duration of the contract.

1.1.3. Applicable regulations:

1.1.3.1. Within the State of Texas, the Contractor shall perform all the necessary environmental remediation work required to meet the contract requirements of this PWS in a manner that is consistent with Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), as amended by the Superfund Amendments and Reauthorization Act (SARA), and the National Oil and Hazardous Substances Contingency Plan (NCP), with regulatory coordination with Texas Commission for Environmental Quality (TCEQ). Remedial Investigations (RI) within the State of Texas will be conducted under the provision of CERCLA with the Texas Risk Reduction Program (TRRP) rule provisions identified as Applicable or Relevant and Appropriate Requirement (ARAR).

- 1.1.3.2. Within the State of New Mexico, the Contractor shall perform all the necessary environmental remediation work required to meet the contract requirements of this PWS in a manner that is consistent with Resource Conservation and Recovery Act (RCRA) and New Mexico Administrative Code (NMAC). Fort Bliss has a RCRA Permit (#NM4213720101-01 RCRA Corrective Action) that was last modified on 15 June 2006, issued by the New Mexico Environment Department (NMED) Hazardous Waste Bureau.
- 1.1.4. The sites are not suspected to contain Chemical Warfare Materiel (CWM). The Contractor shall not perform CWM work but shall be familiar with and be able to recognize CWM so he can stop work and to notify the Army of these potential hazards.
- 1.1.5 Please note that munitions and explosives of concern (MEC) may be found during the course of executing this contract at the following sites; **FTBLS-006-R-01 and FTBLS-006-R-02**, based on site history. Should MEC be encountered during this task order, unexploded ordnance (UXO)-qualified Contractor personnel shall evaluate the explosive hazard and initiate UXO avoidance procedures. The contractor shall not perform MEC removal or disposal work. The contractor will notify the installation's reponse team, COR, and KO of these potential hazards in accordance with Sections 5.7 of the PWS.

1.2 **Background**:

Fort Bliss covers more than 1,000,000 acres in Texas and New Mexico, including portions of three counties (El Paso, Texas; Dona Ana and Otero, New Mexico). The cantonment area is adjacent to the city of El Paso, Texas. This PWS covers the following four sites:

FTBL-014 (SWMU-025) Oro Grande Landfill,
 CCFTBL-001 Far East Illegal Dump Site,
 FTBLS-006-R-01 Biggs OB/OD Site I,
 State of New Mexico
 State of Texas
 State of Texas
 State of Texas

1.3 **Performance Objectives and Standards:**

The contract requirements for this task order may be found in Table 1. The performance requirements summary for this task order may be found in Appendix A.

Table 1: Contract Requirements Summary

Contract Requirements	Acceptance Criteria
Base: Complete an approved Project Management Plan (PMP):	Development of PMP as specified in C.4 of the Basic Contract PWS.
 Draft PMP within 30 days of Task Order award, Final PMP within 30 days of receipt of COR comments on the drafts. 	Army approval through the COR.
Base: Complete an approved Explosives Site Plan (ESP) for the following sites:	Army approval through COR.
1. FTBLS-006-R-01, Biggs OB/OD Site I 2. FTBLS-006-R-02, Biggs OB Site II,	Submission to USACE-CX, USATECS for review and comments.
 Draft ESP within 60 days of Task Order Award. Final ESP within 7 days of Department of Defense Explosives Safety Board (DDESB) approval. 	DDESB submission and approval of contractor prepared ESP.
Base: Conduct a Remedial Investigation (RI) and final Report within 36 months from award of task order at the following site:	Compliance with CERCLA. Army approval through COR.
FTBLS-006-R-01, Biggs OB/OD Site I	TCEQ review and approval in the form of written documentation for approving
Note: The Munitions Response Site Prioritization Protocol (MRSPP) and Conceptual Site Model (CSM) shall be included with the final RI Report.	reports.
Option: Conduct a Feasibility Study (FS) at the following site within 12 months from award of the option.	Compliance with CERCLA.
FTBLS-006-R-01, Biggs OB/OD Site I	Army approval through COR. TCEQ review and concurrence in the
Note: Option will be awarded NLT 90 days from COR approval on the Final RI Report.	form of written documentation.

Option: Achieve Proposed Plan (PP) and final Decision	Compliance with CERCLA.
Document (DD) at the following site within 12 months from award of the option.	Army approval through COR.
FTBLS-006-R-01, Biggs OB/OD Site I	TCEQ review and concurrence in the form of written documentation
Note: Option will be awarded NLT 90 days from COR approval on the Final FS Report.	Torm of written documentation
Base: Conduct a Site Inspection (SI) at the following site within 18 months from award of the Task Order award:	Compliance with CERCLA.
FTBLS-006-R-02, Biggs OB Site II,	Army approval through COR.
	TCEQ review and concurrence in the
Note: The Munitions Response Site Prioritization Protocol (MRSPP) and Conceptual Site Model (CSM) shall be included with final report.	form of written documentation
Option: Conduct Remedial Investigation (RI) at the following site:	Compliance with CERCLA.
FTBLS-006-R-02, Biggs OB Site II	Army approval through COR.
, 20	TCEQ review and concurrence in the
Within 24 months from Option award.	form of written documentation
Note: Option award will be based on the finding of the SI,	
with award NLT 90 days from COR approval on the Final SI Report.	
Option: Conduct a Feasibility Study (FS) at the following site:	Compliance with CERCLA.
FTBLS-006-R-02, Biggs OB Site II	Army approval through COR.
Within 12 months from Option award.	TCEQ review and concurrence in the form of written documentation.
Note: Option will be awarded NLT 90 days from COR approval on the final RI Report.	

Option: Achieve Proposed Plan (PP) and final Decision	Compliance with CERCLA.
Document (DD) at the following site within 6 months from award of the option.	Army approval through COR.
FTBLS-006-R-02, Biggs OB Site II	TCEQ review and concurrence in the form of written documentation
Note: Option will be awarded NLT 90 days from COR approval on the Final FS Report.	
Base: Complete a Corrective Action Work Plan for the selected remedy through regulatory approval at the following site within 24 months of Task Order Award:	Army approval through the COR, regulator submission of final plans and reports for review and final approval.
FTBL-014 (SWMU-25), Oro Grande Landfill	Compliance with NM regulations and the requirements of the NM RCRA
 Draft Work Plan within 90 days of Task Order award. 	permit.
• Final documents within 30 days of resolution of Army's comments.	Note: Contractor is responsible for all review fees and schedules per NMAC 20.4.2
Option: Complete Corrective Action (CA) for the selected remedy, through approval of final report.	Army approval through the COR and Regulator submission of final plans and reports for review and final approval.
FTBL-014 (SWMU-25), Oro Grande Landfill	Compliance with NM regulations and
Complete CA within 120 days of CLIN execution, with draft CA report within 60 days of completion of CA.	the requirements of the RCRA permit.
Note: Option will be awarded NLT 90 days from NMED approved work plan.	Note: Contractor is responsible for all review fees and schedule per NMAC 20.4.2

Base: Conduct a Remedial Investigation (RI) at the following site within 36 months from award of the task order:	Compliance with CERCLA. Army approval through COR.
CCFTBL-001, Far East Illegal Dump Site	TCEQ review and concurrence in the form of written documentation
Note: Conceptual Site Model (CSM) shall be included with the final RI Report.	
Option: Achieve an approved Feasibility Study (FS) at the following site within 12 months of award of option or	Compliance with CERCLA.
within 6 month from RI Approval:	Army approval through COR.
CCFTBL-001, Far East Illegal Dump Site	TCEQ review and concurrence in the form of written documentation.
Note: Option will be awarded NLT 90 days from COR approval on the final RI Report.	
Option: Complete Proposed Plan and final Decision Document (DD) at the following site within 12 months of	Compliance with CERCLA.
award of option:	Army approval through COR.
CCFTBL-001, Far East Illegal Dump Site	TCEQ review and concurrence in the form of written documentation.
Note: Option will be awarded NLT 90 days from COR approval on the final FS Report.	

- 1.4 Scope: The scope of this task order is defined in Table 1.
- 1.5 Period of Performance (POP): The period of performance shall not exceed 5 years from the date of award.
- 1.6 General Information:
- 1.6.1 Quality Control (QC): QC is the responsibility of the Contractor. The Contractor shall comply with Section C.5.8 of the Basic Contract. Quality Control Plan requirements for the task order shall be part of the PMP.
- 1.6.2 Quality Assurance (QA): See Section C.5.9 of the Basic Contract.

1.6.3 Federal Government Holidays: The Contractor may work at the Installation on the following Federal Government Holidays provided they make the proper arrangements and it is agreed upon by the COR, and coordination with Installation.

New Years Day
Martin Luther King Jr.'s Birthday
Washington's Birthday
Memorial Day
Independence Day

1st day of January
3rd Monday of January
Last Monday of February
Last Monday of May
4th day of July

Labor Day1st Monday of SeptemberColumbus Day2nd Monday of OctoberVeterans Day11th day of NovemberThanksgiving Day4th Thursday of NovemberChristmas Day25th day of December

- 1.6.4 Hours of Operation: The Contractor shall conduct business on the Installations as required to complete the activities required to meet the contract requirements in this PWS except when the Government facilities are closed due to local or national emergencies, administrative closings, or similar Government directed facility closings. The Contractor shall at all times maintain an adequate workforce for the timely completion of all tasks defined within this PWS. When hiring personnel, the Contractor shall keep in mind that the stability and continuity of the workforce is essential.
- 1.6.5 Place of Performance: The work to be performed under this contract shall be performed primarily at Fort Bliss or the offices of the Contractor.
- 1.6.6 Type of Contract: The Government will award a firm-fixed price contract.
- 1.6.7 Security Requirements: The Contractor shall meet applicable security requirements to include Anti-Terrorism (AT) and Operational Security (OPSEC) as specified in guidance and regulations as outlined below.
- 1.6.7.1 AT Level I Training: All Contractor employees, to include Subcontractor employees, requiring access Army installations, facilities and controlled access areas shall complete AT Level I awareness training within 60 calendar days after contract start date. The Contractor shall submit certificates of completion for each affected Contractor employee and Subcontractor employee, to the COR or to the contracting officer 30 calendar days after completion of training by all employees and Subcontractor personnel. AT level I awareness training is available at the following website: https://atlevel1.dtic.mil/at.
- 1.6.7.2 Access and General Protection/Security Policy and Procedures: Contractor and all associated sub-contractors employees shall provide all information required for background checks to meet installation access requirements to be accomplished by installation Provost Marshal Office, Director of Emergency Services or Security Office. Contractor workforce must comply with all personal identity verification requirements (FAR clause 52.204-9, Personal

Identity Verification of Contractor Personnel) as directed by DOD, HQDA and/or local policy. In addition to the changes otherwise authorized by the changes clause of this contract, should the Force Protection Condition (FPCON) at any individual facility or installation change, the Government may require changes in contractor security matters or processes.

- 1.6.7.2.1 For contractors requiring Common Access Card (CAC). Before CAC issuance, the contractor employee requires, at a minimum, a favorably adjudicated National Agency Check with Inquiries (NACI) or an equivalent or higher investigation in accordance with Army Directive 2014-05. The contractor employee will be issued a CAC only if duties involve one of the following: (1) Both physical access to a DoD facility and access, via logon, to DoD networks on-site or remotely; (2) Remote access, via logon, to a DoD network using DoD-approved remote access procedures; or (3) Physical access to multiple DoD facilities or multiple non-DoD federally controlled facilities on behalf of the DoD on a recurring basis for a period of 6 months or more. At the discretion of the sponsoring activity, an initial CAC may be issued based on a favorable review of the FBI fingerprint check and a successfully scheduled NACI at the Office of Personnel Management.
- 1.6.7.2.2 For contractors that do not require CAC, but require access to a DoD facility or installation. Contractor and all associated sub-contractors employees shall comply with adjudication standards and procedures using the National Crime Information Center Interstate Identification Index (NCIC-III) and Terrorist Screening Database (TSDB) (Army Directive 2014-05/AR 190-13), applicable installation, facility and area commander installation/facility access and local security policies and procedures (provided by COR).
- 1.6.7.3 iWATCH Training: Contractor and all associated sub-contractors shall brief all employees on the local iWATCH program (including all training requirements provided by the installation Anti-Terrorism Officer (ATO)). This local developed training will be used to inform employees of the types of behavior to watch for and instruct employees to report suspicious activity to the COR. This training shall be completed within 60 calendar days of contract award and within 60 calendar days of new employees commencing performance with the results reported to the COR no later than (NLT) 60 calendar days after contract award.
- 1.6.7.4 OPSEC: The Contractor shall develop an OPSEC Standing Operating Procedure (SOP)/Plan within 90 calendar days of contract award, to be reviewed and approved by the responsible Government OPSEC officer, per Army regulation (AR) 530-1, Operations Security. This SOP/Plan shall include the Government's critical information, why it needs to be protected, where it is located, who is responsible for it, and how to protect it. In addition, the Contractor shall identify an individual who will be an OPSEC Coordinator. The Contractor shall ensure this individual becomes OPSEC Level II certified per AR 530-1.

In accordance with AR 530-1, Operations Security, new Contractor employees shall complete Level I OPSEC training within 30 calendar days of their reporting for duty. All Contractor employees shall complete annual OPSEC awareness training. This training may be found at http://cdsetrain.dtic.mil/opsec/. Certificates of completion shall be provided to the COR within 10 days of course completion.

- 1.6.7.5 Government Information Systems and Information Awareness Requirements: All Contractor employees with access to a government information system (IS) shall register in the ATCTS (Army Training Certification Tracking System) at commencement of services, and shall successfully complete the DOD Information Assurance (IA) Awareness prior to access to the IS and annually thereafter. All Contractor employees working IA/IT functions must comply with DoD and Army training requirements in DoDD 8570.01, DoD 8570.01-M and AR 25-2 within six months of employment.
- 1.6.7.6 Physical Security: The Contractor shall be responsible for safeguarding all Government equipment, information and property provided for Contractor use. At the close of each work period, Government facilities, equipment, and materials shall be secured.
- 1.6.7.6.1 Key Control: The Contractor shall establish and implement methods of making sure all keys/key cards issued to the Contractor by the Government are not lost or misplaced and are not used by unauthorized persons. NOTE: All references to keys include key cards. No keys issued to the Contractor by the Government shall be duplicated. The Contractor shall develop procedures covering key control that shall be included in the Quality Control Plan. Such procedures shall include turn-in of any issued keys by personnel who no longer require access to locked areas. The Contractor shall immediately report any occurrences of lost or duplicate keys/key cards to the KO and COR.
- 1.6.7.6.1.1 In the event keys, other than master keys, are lost or duplicated, the Contractor shall, upon direction of the KO, re-key or replace the affected lock or locks; however, the Government, at its option, may replace the affected lock or locks or perform re-keying. When the replacement of locks or re-keying is performed by the Government, the total cost of re-keying or the replacement of the lock or locks shall be deducted from the payment due the Contractor. In the event a master key is lost or duplicated, all locks and keys for that system shall be replaced by the Government and the total cost deducted from the payment due the Contractor.
- 1.6.7.6.1.2 The Contractor shall prohibit the use of Government issued keys/key cards by any persons other than the Contractor employees approved by the COR. The Contractor shall prohibit the opening of locked areas by Contractor employees to permit entrance of persons other than Contractor employees engaged in the performance of assigned work in those areas, or personnel authorized entrance by the COR.
- 1.6.7.6.2 Lock Combinations: The Contractor shall establish and implement methods of ensuring that all lock combinations are not revealed to unauthorized persons. The Contractor shall ensure that lock combinations are changed when personnel having access to the combinations no longer have a need to know such combinations. These procedures shall be included in the Contractor's Quality Control Plan.
- 1.6.8 Special Qualifications: See section C.6 of the Basic Contract

- 1.6.9 Post Award Conference/Periodic Progress Meetings: The Contractor shall attend any post award conference and periodic progress meetings convened by the contracting activity and/or COR. Periodic progress meetings may be conducted periodically to review Contractor's performance. At these meetings the KO will apprise the Contractor of how the Government views the Contractor's performance and the Contractor shall apprise the Government of problems, if any, being experienced. Appropriate action shall be taken to resolve outstanding issues. These meetings shall be at no additional cost to the Government. The Contractor shall provide meeting minutes within seven calendar days after each meeting for review by the KO and COR.
- 1.6.10 Contracting Officer Representative (COR): The COR will be identified by separate letter. The COR monitors all technical aspects of the contract and assists in contract administration. The COR is authorized to perform the following functions: assure that the Contractor performs the technical requirements of the contract; perform inspections necessary in connection with contract performance; maintain written and oral communications with the Contractor concerning technical aspects of the contract; issue written interpretations of technical requirements, including Government drawings, designs, and specifications; monitor Contractor's performance and notify both the KO and Contractor of any discrepancies; coordinate availability of Government furnished property; and facilitate site entry of Contractor personnel. A letter of designation issued to the COR, a copy of which is sent to the Contractor, states the responsibilities and limitations of the COR, especially with regard to changes in cost or price, estimates or changes in delivery dates. The COR is not authorized to change any of the terms and conditions of the resulting order.
- 1.6.11 Certification and Approval of Project Milestones and Deliverables: The COR will be responsible for contract management, inspection, oversight, review, and approval activities. Certification and approval of project milestones by the COR is necessary before distribution of payments. Final acceptance of milestone completion shall include appropriate acceptance of site remediation documentation by regulators. Certification by the Army is contingent upon the Contractor performing in accordance with the terms and conditions of the contract.
- 1.6.12 Key Personnel: See Section C.6 of the Basic Contract.
- 1.6.13 Identification of Contractor Employees: The Contractor (to include Subcontractors) shall provide each employee an Identification (ID) Badge, which includes at a minimum, the Company Name, Employee Name and a color photo of the employee. ID Badges for Key Personnel shall also indicate their job title. ID Badges shall be worn at all times during which the employee is performing work under this contract. Each Contractor (to include Subcontractors) employees shall wear the ID Badge in a conspicuous place on the front of exterior clothing and above the waist except when safety or health reasons prohibit. The Contractor (to include Subcontractors) shall be responsible for collection of ID Badges upon completion of the contract or termination of an employee. A listing of issued identification cards shall be furnished to the KO prior to the contract performance date and updated as needed to reflect Contractor and Subcontractor personnel changes. All contract personnel attending meetings, or working in other situations where their Contractor status is not obvious to third parties shall identify themselves as

such to avoid creating an impression in the minds of members of the public that they are Government officials.

- 1.6.14 Supervision of Contractor Employees: The Government will not exercise any supervision or control over Contractor or Subcontractor employees while performing work under the contract. Such employees shall be accountable solely to the Contractor, not the Government. The Contractor, in turn, shall be accountable to the Government for Contractor or Subcontractor employees.
- 1.6.15 Contractor Travel: See Section C.8.2 of the Basic Contract.
- 1.6.16 Other Direct Costs: This category includes travel (outlined in 1.6.15), document reproduction, and shipping expenses associated with providing the environmental remediation services in this PWS.
- 1.6.17 Data Rights: See Section C.8.9.1 of the Basic Contract. In addition, the Contractor shall ensure that all documents or reports produced by the Contractor are suitably marked as Contractor products or that Contractor participation is appropriately disclosed.
- 1.6.18 Organizational Conflict of Interest: See Section C.8.12 of the Basic Contract.
- 1.6.19 Phase In /Phase Out Period: Not applicable.
- 1.6.20 Stop Work: Section C.8.10.1 of the Basic Contract covers this issue and applies to this task order. Note: CWM, and radiological materials are not anticipated to occur nor covered under the work in this task order.
- 1.6.21 Environmental Responsibility Considerations: The Contractor shall comply with section C.8.11 of the Basic Contract.
- 1.6.22 Noncompliance: Any incident of noncompliance noted by the Contractor shall immediately be brought to the attention of the COR and KO telephonically and then by written notice. Nothing in this contract shall relieve the Contractor of its responsibility to comply with applicable laws and regulations.

PART 2 DEFINITIONS AND ACRONYMS

- 2. General: The following definitions and acronyms may apply to this task order.
- 2.1 Definitions: The following definitions may apply to this task order.
- 2.1.1 Approved Variances: Refers to the ability to make in the field revisions to planned field work as outlined in the approved Work Plan. These revisions must be coordinated with COR and may require regulator approval prior to acceptance of change.
- 2.1.2 Contractor: A supplier or vendor awarded a contract to provide specific supplies or services to the Government. The term used in this contract refers to the prime.
- 2.1.3 Contracting Officer (KO): A person with authority to enter into, administer, and/or terminate contracts, and make related determinations and findings on behalf of the Government. Note: The only individual who can legally bind the Government.
- 2.1.4 Contracting Officer Representative (COR): An employee of the U.S. Government appointed by the contracting officer to administer the contract. Such appointment shall be in writing and shall state the scope of authority and limitations. This individual has authority to provide technical direction to the Contractor as long as that direction is within the scope of the contract, does not constitute a change, and has no funding implications. This individual does NOT have authority to change the terms and conditions of the contract.
- 2.1.5 Defective Service: A service output that does not meet the standard of performance associated with the Performance Work Statement.
- 2.1.6 Deliverable: Anything that can be physically delivered, but may include non-manufactured things such as meeting minutes or reports
- 2.1.7 Exit Strategy/Ramp-Down Strategy and Optimization: Trend analysis of historical and current data and/or other quantitative (such as future costs to the Army) or qualitative considerations that will lead to a reduction in the requirements themselves or the timeframe in which those requirements are to be achieved in a cost effective manner.
- 2.1.8 Government-Furnished Property: Property in the possession of the Government made available to the Contractor to use on this task order.
- 2.1.9 Land Use Control (LUC): Any type of physical, legal, or administrative mechanism that restricts the use of or limits access to real property to prevent or reduce risks to human health and the environment. Physical mechanisms encompass a variety of engineered remedies to contain or reduce contamination and physical barriers to limit access to property, such as fences or signs. The legal mechanisms used for LUCs are generally the same as those used for institutional controls as discussed in NCP. Legal mechanisms include restrictive covenants, negative

easements, equitable servitudes, and deed notices. Administrative mechanisms include notices, adopted local land use plans and ordinances, construction permitting, or other land use management systems to ensure compliance with use restrictions.

- 2.1.10 Physical Security: Actions that prevent the loss or damage of Government property.
- 2.1.11 Project-Related Information: Includes all previous environmental restoration documentation of a technical nature developed by the Army and previous Army Contractors for the sites specified in this PWS, and all the documentation developed by the Contractor in order to achieve the performance objectives specified in this PWS.
- 2.1.12 Quality Assurance: The Government procedures to verify that services being performed by the Contractor are acceptable in accordance with established standards and requirements of this contract.
- 2.1.13 Quality Control: All necessary measures taken by the Contractor to assure that the quality of an end product or service shall meet contract requirements.
- 2.1.14 Remedial Action Construction (RA-C): The period of time in which a response action is being implemented but is not yet operating as designed. At the end of this phase of work, a remedy is in place and should be operating as designed in order to achieve the remedial action objectives at some point in the future.
- 2.1.15 Remedial Action-Operation (RA-O): The period of time that a selected remedy must operate before achieving remedial action objectives. At the end of this phase of work, the response is complete.
- 2.1.16 Remedial Design (RD): During the RD phase, the DoD Component shall develop the design plans and specifications of the selected alternative. The RD shall include a LUC implementation plan, if LUCs are a required element of the selected remedial action.
- 2.1.17 Response Complete (RC): A milestone signifying that the DoD Component has met the remedial action objectives for a site, documented the determination, and sought regulatory agreement. RC signifies that DoD has determined at the end of the PA/SI or RI that no additional response action is required; achieved RIP and the required RA-O has achieved the remedial action objectives; or where there is no RA-O phase, then the RA-C has achieved the remedial action objectives.
- 2.1.18 Remedy in Place (RIP): Designation that a final remedial action has been constructed, is functional, and is operating as planned in the remedial design and would be expected to meet the remedial action objectives detailed in the decision document.
- 2.1.19 Site Closeout (SC): The stage at which active management and monitoring at an environmental restoration site is complete, and no additional environmental restoration funds will be expended at the site. SC occurs when environmental restoration goals have been achieved

that allow unlimited use with unlimited exposure of the property (e.g., no further LTM, including LUCs, is required).

- 2.1.20 Subcontractor: One that enters into a contract with a prime Contractor. The Government does not have privity of contract with the Subcontractor.
- 2.2. Acronyms: The following acronyms may apply to this task order.

AEDB-R Army Environmental Database - Restoration Module

AR Army Regulation AT Anti-Terrorism

ATO Anti-Terrorism Officer

CERCLA Comprehensive Environmental Response, Compensation and Liability Act

CLIN Contract Line Item Number

CMI(O) Corrective Measures Implementation (Operations)

CMR Contract Manpower Reporting

CONUS Continental United States (excludes Alaska and Hawaii)

COR Contracting Officer Representative

CWM Chemical Warfare Materiel
DA Department of the Army
DD Decision Document

DD250 Department of Defense Form 250 (Receiving Report)
DD254 Department of Defense Contract Security Requirement List

DDESB Department of Defense Explosives Safety Board DERP Defense Environmental Restoration Program

DFARS Defense Federal Acquisition Regulation Supplement

DMDC Defense Manpower Data Center

DOD Department of Defense

DOD ELAP DOD Environmental Laboratory Accreditation Program

DODI DOD Instruction Number

EMS Environmental Management System

ESP Explosives Site Plan

ESS Explosives Safety Submission

ERIS Environmental Restoration Information System ERMA Environmental Remediation Multiple Award

FAR Federal Acquisition Regulation

FFP Firm Fixed Price

FPCON Force Protection Condition GFP Government-Furnished Property

HQAES Headquarters Army Environmental Systems

HQDA Headquarters, Department of Army

HSP Health and Safety Plan ID Identification Badge

IRIS Integrated Risk Information System IRP Installation Restoration Program

KO Contracting Officer LUC Land Use Control

LTM Long-Term Management MCL Maximum Contaminant Limit

MEC Munitions and Explosives of Concern

NCP National Contingency Plan

NLT No later than

NMAC New Mexico Administrative Code NMED New Mexico Environment Department

NOD Notice of Disapproval

OCI Organizational Conflict of Interest

ODC Other Direct Costs
OPSEC Operational Security

OSHA Occupational Safety and Health Administration

P/C Pollutants or contaminants
PBA Performance-Based Acquisition
PMP Project Management Plan

POC Point of Contact POP Period of Performance

PP Proposed Plan

PRS Performance Requirements Summary

PWS Performance Work Statement

QA Quality Assurance

QAPP Quality Assurance Project Plan
QASP Quality Assurance Surveillance Plan

QC Quality Control QCP Quality Control Plan

RAB Restoration Advisory Board
RA-C Remedial Action - Construction
RA-O Remedial Action - Operations

RC Response Complete

RCRA Resource Conservation and Recovery Act

RD Remedial Design

READ Repository of Environmental Documents

RfD Reference Dose
RIP Remedy In Place
ROD Record of Decision
ROE Right of Entry

RTOP Request for Task Order Proposal SAP Sampling and Analysis Plan

SARA Superfund Amendments and Reauthorization Act

SC Site Closure

SOP Standard Operating Procedure

TCE Trichloroethylene

TCEQ Texas Commission for Environmental Quality

USATCES U.S. Army Technical Center for Explosives Safety

UFP-QAPP Uniform Federal Policy for Quality Assurance Project Plans

USACE EMCX United States Army Corps of Engineers Environmental and Munitions

Center of Expertise

USEPA United State Environmental Protection Agency

UST Underground Storage Tank

PART 3 GOVERNMENT-FURNISHED PROPERTY, EQUIPMENT, AND SERVICES

- 3. Government Furnished Resources: The Government will comply with the Basic Contract.
 - The Government will furnish space and logistical support for all RAB meetings.
 - The Government will provide a lay-down area for contract equipment and/or temporary office upon contractor written request to the COR and Installation.

PART 4 CONTRACTOR FURNISHED ITEMS AND SERVICES

4. Contractor Furnished Items and Responsibilities: The Contractor shall possess and supply personnel with the required expertise and knowledge, equipment, tools and any other resources required to meet or exceed the contract requirements of this PWS in accordance with established industry standards and regulatory requirements. The Contractor shall determine the requirements for licensed professionals and certifications and provide all required training necessary for compliance with regulations. The Contractor shall obtain all permits, licenses, approvals, and/or certificates required or necessary to accomplish the work.

When the work to be performed requires facility clearances, such as digging or drilling permits, the Contractor shall obtain such clearances and/or permits, prior to any drilling or excavating operations. The Contractor shall coordinate all such work with Installation maintenance personnel prior to performing work. Contractors shall perform required utility checks using all applicable means. The Contractor shall comply with all Installation or site-specific time and procedural requirements (Federal, state, and local) described in the permits obtained.

The Contractor shall provide all support activities necessary to ensure the safe and effective accomplishment of all work required to meet the contract requirements of this PWS. In addition, the Contractor shall be responsible for the items listed in Section C.8.4 of the Basic Contract and the following items:

- All solid and hazardous waste generated under this contract shall be the responsibility of the Contractor. This includes removal, proper disposal, and all required associated paperwork.
- The Contractor shall be responsible for any damage caused to property of the United States (Federal property) by the activities of the Contractor under this contract and shall exercise due diligence in the protection of all property located on the premises against fire or damage from any and all other causes. Any property of the United States damaged or destroyed by the Contractor incident to the exercise of the privileges herein granted shall be promptly repaired or replaced by the Contractor to a condition satisfactory to the COR or reimbursement is to be made by the Contractor sufficient to restore or replace the property to a condition satisfactory to the COR.
- A dig permit is required for any intrusive work.
- Contractor is responsible for furnishing space and logistical support (e.g. equipment) for all meetings except the RAB.
- 4.1 Deliverables and Review Schedule

All documents must be produced as Draft, Draft-Final, and Final versions, except for the PMP or unless otherwise stated. The Contractor shall establish an ftp or SharePoint site, or similar vehicle, to allow for exchange and review of electronic versions of the draft, draft final, and final documents by the stakeholders. Ten (10) copies of each final deliverable are required (hard copy with one CD/DVD per hard copy). Two (2) additional CD/DVDs with fully editable versions of the all project data and Final documents will be provided. With COR concurrence, the Contractor may coordinate with appropriate agencies to determine if fewer versions of each deliverable are sufficient for review. The Government (primarily USACE, USAEC and Fort Bliss), through the COR, will receive draft documents and coordinate review and comments. Once initial comments are addressed, the Government and TCEQ will review draft final and final documents allowing 45 calendar days for review per deliverable. NMED only reviews final documents per published review schedules (NMAC 20.4.2.208).

PART 5 SPECIFIC TASKS

- 5. Specific Tasks: The specific tasks required to meet the contract requirements of this task order include all of the items in the Environmental Remediation Multiple Award (ERMA) Basic Contract PWS with exceptions/clarifications as noted below:
- 5.1 Performance Thresholds: The following performance thresholds apply to this task order.
- 5.1.1 Project Management and Schedule: The Contractor shall comply with Section C.4 of the Basic Contract. The Contractor shall update the PMP annually or more frequently, as warranted. The performance threshold for the schedule is there shall be no schedule slippage deemed the fault of the Contractor for which the Contractor does not present a viable plan to make up the lost time.
- 5.1.2 Health and Safety Requirements: The Contractor shall comply with Section C.5.7.1 of the Basic Contract. The performance threshold for the health and safety requirements is zero Class C safety violations where the Contractor is determined at fault.
- 5.1.3 Approval of Deliverables: The Contractor shall comply with Sections C.5.17 of the Basic Contract regarding approval of the deliverables. All documents shall be produced with at least draft, draft-final, and final versions except the PMP. The performance threshold for approvals may be no more than two (2) revisions of deliverables for either Army or Regulator comments.
- 5.1.4 Site Plans: The Contractor shall comply with Section 5.12 of the Basic Contract. The performance threshold for fieldwork activities is 100% compliance with the Final Plans and SAP, and the approved variances.
- 5.1.5 Analytical Quality Control: The Contractor shall comply with Section C.5.9 of the Basic Contract. The performance threshold for sample results is 100% compliance with Quality Assurance/Quality Control (QA/QC) requirements established in the approved Quality Assurance Project Plan (QAPP) and Sampling and Analysis Plan (SAP).

- 5.2 Project Information Repositories and Administrative Record: the Contractor shall comply with Section C.5.10 of the Basic Contract. The Project Information Repository is currently maintained at Fort Bliss. The Administrative Record/Information Repositories for DERP activities are located at Fort Bliss.
- 5.3 Army Environmental Database and Environmental Restoration Information System: The Basic Contract Section C.5.11 describes these requirements. The Army may transition to a new database system to replace their current information systems during this task order. The Army, through the COR, will provide data specifications for the systems as warranted. The Contractor shall comply with all applicable requirements for data validation and submission based on the COR-supplied requirements.
- 5.4 Project Stakeholders and Regulatory Involvement: The Basic Contract Sections 5. 14 and 5.15 describe these requirements. For this task order, project stakeholders and the Regulators involved pursuant to Section C.5.14 and C.15 of the Basic Contract include the Army and the following listed in Appendix B of this PWS.
- 5.5 Public Involvement: The Basic Contract Section 5.16 describes this requirement. The Contractor shall provide personnel who can (1) effectively present complex technical issues to the U.S. Government personnel; (2) present the U.S. Government's position to public and media officials regarding those issues in terms the public can understand, and (3) possess the necessary technical skills to execute the activities included under the TO. In addition, the Contractor shall provide presentations of data or attend meetings to discuss the work completed in this task order. The Contractor shall make no public announcements or disclosures relative to information contained or developed under this contract, except as requested by the COR. This also applies to U.S. Government-owned information made available to the Contractor.

Contractors should note that the Installation has an active Restoration Advisory Board (RAB). The Contractor shall support the Army during RAB meetings and shall provide briefings and presentations in support of these meetings.

The Contractor is not responsible for development of the Community Relations Plan (CRP) nor the Community Involvement Plan (CIP) for the Installation. However, the Army COR may request input/updates from the Contractor if either of these plans are updated by others.

- 5.6 Contractor's Guarantee and Insurance Specifications: Section C.8.5 and C.8.6 covering the Contractor's Guarantee and Insurance Specifications, respectively, do not apply to this task order.
- 5.7 CERCLA Section 121 (c) five-year and/or Army periodic reviews: The Contractor shall not complete the review as it will be completed by the United States Army Corps of Engineers Environmental and Munitions Center of Expertise (USACE EMCX). The Contractor shall be responsible for supporting the completion of the review by, at a minimum, providing the data the USACE EMCX will need in the format specified by the COR; review and comment on the draft

and draft-final review reports; and participate in the kick off call, site walk and interviews, if requested by the COR.

- 5.8 Delivered Equipment: All equipment delivered and installed during this task order shall become property of the U.S. Government at the end of the contract.
- 5.9 Contractor Manpower Reporting (CMR): The clause "ACCOUNTING FOR CONTRACT SERVICES REQUIREMENT" in the Basic Contract covers this requirement.
- 5.10 Remedial Action Operations (RA-O)/Corrective Measures Implementation Operations (CMI-O): During RA-O/CMI-O the Contractor shall operate, maintain, optimize, and complete any required activities for the remediation system and site, including groundwater monitoring and monitored natural attenuation (MNA) requirements, until remedial action objectives in the approved decision document are achieved. The Contractor shall also implement, manage, and/or complete maintenance on land use controls (LUCs) if part of the remedial action. If wells are monitored as part of RA-O/CMI-O, the Contractor must maintain any wells required for ongoing sampling efforts and properly abandon any wells that are no longer required in accordance with applicable regulations. Maintenance of wells includes replacement of wells that no longer function as intended and installation of new wells if required for the RA-O/CMI-O. The Contractor shall be responsible for implementing optimization efforts through the duration of the task order. The Contractor shall annually provide an exit strategy/ramp-down strategy and discuss any optimization efforts planned and completed in the RA-O/CMI-O reports. Note: there could be operations efforts occurring pre-remedy/pre-decision, in which case, the same requirements apply.
- 5.11 Long-Term Management (LTM): Following achievement of the RC milestone, LTM may be required to monitor long-term protectiveness of the remedy. LTM is required when meeting the remedial action objectives do not allow unrestricted use of the property. Activities during LTM may involve monitoring site conditions and implementing/managing LUCs. If wells are monitored as part of monitoring site conditions, the Contractor shall maintain any wells required for on-going sampling efforts and shall properly abandon any wells that are no longer required in accordance with applicable regulations. Maintenance of wells includes replacement of wells that no longer function as intended and installation of new wells if required for the LTM activities. The Contractor shall annually provide an exit strategy/ramp-down strategy and discuss any optimization efforts planned and completed in the required reports of monitoring results.
- 5.12 Groundwater Monitoring: Groundwater monitoring may be required during any phase of the CERCLA process to ensure there are no data gaps during future steps in the remediation process. The Contractor must maintain any wells required for the groundwater monitoring efforts and properly abandon any wells that are no longer required in accordance with applicable regulations. Maintenance of wells includes replacement of wells that no longer function as intended and installation of new wells if required for the groundwater monitoring.
- 5.13 UXO Requirements: Completion of any contract service requirement may require working in hazardous areas which may have been contaminated with UXO. The UXO may be found

throughout the Installation. Pursuant to this task, the Contractor shall conduct visual sweeps of defined areas for UXO. When UXO is detected and identified the Contractor shall immediately report this to the COR along with Fort Bliss EOD Response team. The location of the UXO will be marked with marker flag. The Contractor shall allow the Government Explosive Ordnance Disposal (EOD) personnel sufficient time to accomplish field evaluation, and render safe, recover and dispose of UXO per incident when an UXO is detected and identified. Contractor shall determine safe observation distance and safe operating conditions prior to resuming work.

PART 6 APPLICABLE PUBLICATIONS

6. APPLICABLE PUBLICATIONS

- 6.1 Environmental Requirements: The Contractor shall perform all the necessary environmental remediation work as required to meet the contract requirements of this PWS in a manner that is consistent with the regulatory drivers listed in Section1.2 of this PWS along with any applicable orders or permits, all previously agreed-upon agreements or guidance at each site, and consistent with all relevant Department of Defense (DoD) and Army policies. The Contractor shall identify applicable Federal, state and local laws and regulations; applicable Installation-specific orders, agreements, or rules; and perform its work in accordance with said authorities.
- 6.2 MEC: Work on sites contaminated or potentially contaminated with MEC must adhere to DOD Manual 6055.09-M, Ammunition and Explosive Safety Standards Criteria for Unexploded Ordnance, Munitions Response, Waste Military Munitions, and Material Potentially Presenting an Explosive Hazard; DOD 4145.26-M, DOD Contractor's Safety Manual For Ammunition and Explosives; Army Regulation 385-10, the Army Safety Program; Department of the Army Pamphlet 385-63, Range Safety; Department of the Army Pamphlet 385-64, Ammunition and Explosives Safety Standards, DODI 4140.62 and Department of Defense Explosive Safety Board (DDESB) Technical Paper 18 and any updates of these documents made during the period of performance.
- 6.3 Environmental Management System (EMS): The Contractor shall review and fully understand "Executive Order 13423 -- Strengthening Federal Environmental, Energy, and Transportation Management," in particular those requirements pertaining to the EMS. The Contractor shall also be required to submit in writing that they shall review and adhere to the installation's environmental management system, including the environmental policy and significant aspects / impacts. These items will be provided by the COR, upon request.

Appendix A

Performance Requirements Summary

Performance Objective	Performance Standards	Performance Threshold	Incentive/Disincentives
Health and Safety: PWS Para 5.1.2. The Contractor shall maintain Health and Safety Requirements.	Compliant with applicable federal, state, and local laws and regulations	Zero Class C safety violations where the contractor is determined at fault.	Trends of less than acceptable performance could result in termination of task order and/or negative CPARs ratings.
Schedule: PWS Para 5.1.1. The Contractor shall meet the schedule requirements of the PMP.	Compliant with this PWS, NMED, TCEQ state Regulator(s), and all applicable federal, state, and local laws and regulations.	No slippage deemed the fault of the contractor for which the Contractor does not present a viable plan to make up the lost time.	Failure to meet the Performance-Based Milestones/Objectives could result in nonpayment, termination of the task order, and/or negative CPARs ratings.
Approval of Deliverables: PWS Para 5.1.3. The Contractor shall obtain Army and Regulatory approval of all project deliverables.	Compliant with this PWS, NMED, TCEQ state Regulator(s), and all applicable federal, state, and local laws and regulations.	No more than two (2) revisions of deliverables for either Army or Regulator comments.	Failure to complete compliant documents could result in mission failure or schedule delay which would result in nonpayment for work toward the applicable CLINs, termination of the task order, and/or negative CPARs ratings.

Performance Objective	Performance Standards	Performance Threshold	Incentive/Disincentives
Field Activities: PWS Para 5.1.4. The Contractor shall perform all field work and sampling activities required in this PWS in compliance with accepted industry standards, approved site plans, and Army and Regulatory approvals.	Performed in compliance with the Final Work Plans/SAP. Though field changes are acceptable due to site conditions, these changes must first be approved by the COR, and upon COR's discretion by Regulators.	100% compliance with the Final Plans and SAP, and the approved variances.	If field work is not completed in accordance with the Final Work Plans, SAP and any approved variances, the contractor may be required to rework/re-sample at their cost to ensure completion of performance objectives. Additionally, failure to receive approval of field changes may result in negative CPARs ratings.
Sample Results: PWS Para 5.1.5. Sample results shall be acceptable to the Army and Regulators.	Sample results shall meet quality assurance goals/requirements to include any applicable SOPs.	100% compliance with QA/QC requirements established in the QAPP and SAP.	Failure to have sample results which fall within QA/QC requirements could result in contractor re-sampling at their cost, schedule delay or mission failure. Failure to meet the Performance-Based Milestones/Objectives could result in nonpayment, termination of the task order, and/or negative CPARs ratings.

Appendix B

Regulatory Agencies

Texas Commission for Environmental Quality (TCEQ) New Mexico Environment Department (NMED) Hazardous Waste Bureau United States Environmental Protection Agency (USEPA) Region 6

Stakeholders

- Texas Parks and Wildlife
- Border Patrol
- Chihuahuan Desert Education Coalition
- City of El Paso
- Comanche Nation
- El Paso County
- El Paso Districts
- El Paso Water Utilities
- Franklin Mountains Wilderness Coalition
- Franklin Mountains State Park
- Fort Bliss Restoration Advisory Board
- Frontera Land Alliance
- Kiowa Tribe of Oklahoma
- Mescalero Apache Tribe
- · Pueblo of Isleta
- Senators, Congressmen, and Congressional Candidates
- Texas Department of Transportation
- · Texas Parks and Wildlife
- University of Texas at El Paso
- Ysleta Del Sur Pueblo

APPENDIX B FIELD NOTES AND FIELD FORMS

This Appendix includes the notes and forms collected during the performance of both the Biggs OB/OD Site I and Biggs OB Site II.

Type of Work	Quantity	Comments	Daily Narrative
	<u></u>		The temperature ranged from a low of 55F to a high of 69F, Light winds, mostly clear. Safety brief conducted
Total Transect Linear ft completed			by Gerry Hills, OESS Dennis Meyers present. Weekly topic: site cleanliness, site specific: Minimum of two
today			people when in the work zone at all times, proper PPE. Work began 0630, located proposed site of the IVS,
			UXO team performed an mag assisted sweep for ferrous/non-ferrous anomalies: none found. GPS base station was installed and verified, Began placing the perimiter stakes at site 1 for the surface sweep and
Total DGM area covered today			data collection. No issues to report.
Today			data concentri. No issues to report.
Total Industrial debris recovered			
today lbs			
Total Munition Debris			
(MD)recovered today lbs			
Muntions Identified			
MEC found today (ea)			
MEC Turned over today (ea)	0		
Instructions Received From			
Customer Representative			

Surface Sweep Transect Linear ft DGM Transect collected Linear ft Point Anomalies Investigated ea. Pit/Trench Anomalies Investigated ea. Total Industrial debris recovered lbs Total Munition Debris (MD)	NA NA NA	Surface sweep of Area 2 of OB/OD Area site 1 completed
Point Anomalies Investigated ea. Pit/Trench Anomalies Investigated ea. Total Industrial debris recovered lbs	NA NA	Surface sweep of Area 2 of OB/OD Area site 1 completed
Point Anomalies Investigated ea. Pit/Trench Anomalies Investigated ea. Total Industrial debris recovered lbs	NA	
Point Anomalies Investigated ea. Pit/Trench Anomalies Investigated ea. Total Industrial debris recovered lbs	NA	
Pit/Trench Anomalies Investigated ea. Total Industrial debris recovered lbs		
Pit/Trench Anomalies Investigated ea. Total Industrial debris recovered lbs		
ea. Total Industrial debris recovered lbs	NA	
ea. Total Industrial debris recovered lbs	NA	
Total Munition Debris (MD)	2	
Lotal Munition Debris (MD)		
recovered today lbs	0	
Total MPPEH Recovered lb.		
Muntions Identified		
MEC found today (ea)	0	
MEC Turned over today (ea)	0	
WEO rumed over today (ca)	- 0	
Instructions Received From		

Daily Narrative

The temperature ranged from a low of 42F to a high of 67F, Clear throughout the day. Arrived on site 0630, Safety brief conducted by Gerry Hills, 9 attendees. Site specific topics: MEC safety, Hydration, PPE. Installed IVS and conducted test with EM-61 and ferrous/non-ferrous metal detectors. Installation of stakes on the primary area (Area 1 see attached map) continued. Area 2 was staked and surface swept and is ready for data collection.



320-2 DAILY QUALITY CONTROL REPORT

Daily Rep	port Number:	21003-000	21003-0003/002 DAY				Thrusday	Date:		March 2, 2	017	
			00/00	DIOD Cite 1 and Clat Diam. AAS OD Cite !!								
Project Ti	itle:	RI at Biggs AAF	OB/OD Site 1 and SI at Biggs AAF OB Site II Ft Bliss, Texas					Contract No Task Order			(-13 000:	3-D-0003
	<u></u>		Ft bliss,	1 e	xas			rask Order	NO.:		JUU	3
Weather:	✓ Clear	Partly Cloudy	Cloudy				Temperature:	46°F	Min.	72°F	_	Max.
Wind:	☐ Calm	✓ Breeze	☐ Windy		Precipitation:		Rain	0	Snow	0		
					Weatl	he	r Information S	ource:	www.accu	weather.co	<u>m</u>	
											_	
1. Labor	Summary - Con	tractor & Subcontra	ctor Supervisi	on	and Craft Pers	80	nnel onsite and	Area of Res	ponsibility			
Number	.	Name	Hours		Hours		Employer		Area of R	esponsibili	tv	
CAPE S	Supervision						, ,					
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8 Subcon	ntractor(s)			<u> </u>		_						
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- 10) (0)	10.0	†	20.0	-	1 0100110		000	niyololot		
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Comme	ents (List any Vi	sitors to Project and	purpose of Vi	sit):			_				
<u> </u>				_		_					_	
2. Equipi	ment (Not Hand	Tools): shaded iten	ns indicate equ	uip		De	Date of Last			Hours	-	Цания
Danami	ntion (Moles and	I Mandal Nivershaw	Arrival Date		Departure Date		Safety Check	Days on Rent	Hours Used	Idle		Hours Repair
Descri	ption (wake and	Model Number)	Arrival Date	+	Date		Salety Check	Kent	Useu	lule	+	Repair
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		y: (Indicate location	n and descripti	on	of work perfo	rn	ned by CAPE ar	nd/or Subcon	tractors. V	Vhen netwo	ork	analysis
is used, i		activity number)										
а		and verified with DGN										
b	Surface clearar	nce of Area 2. (No M	PPEH or MDAS	fo	und) (See Attac	ch:	ed Map)					
С		alling stakes delineatir				oii	nts in Site 1					
d	UXO team men	nbers passed an anal	log proticiency t	es	t IAW WP.							
e	Blind seed plac	ed in Lane 7 of Area	2. UXO team for	our	nd seed.							
f												



320-2 DAILY QUALITY CONTROL REPORT

Daily Rep	ort Number:		21003-000	03/002	DAY	Thrusday	Date:	M	larch 2, 2017	
4. Thurs 5	N	I A -41141	Denfermen							
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а	Mobilization	and Site Pre	eparation		02/2			01/17		
b	Vegetation R	temoval			02/2			01/17		
С	DGM Operat				02/2			01/17		
d	Surface MEC				02/2			01/17		
е	Munitions De	bris Remov	al and Disp	osal	02/2	8/17	03/	01/17		
f										
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	ory Analytica		o Doto	Metrix	Comple ID No	Analyses De	au antad		'ammanta	
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Type of Testing Performed				Test Date	Res	ults of Testing		С	omments	
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	1101	10								
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								Inspection		
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Item	Descri	ption	Measure	Daily Quantity	Quantity	Storage Pr	ovided	Reject)	American Act	
а	None								Yes No	
b									Yes No	
С									Yes No	
d									Yes No	
					ole Steel, and Gov	ernment Proper	ty:			
	ardous Tran									
	te Type	Daily	Volume	Cumula	tive Total	Transpo	rter	Dis	posal Facility	
N	one									
		<u> </u>								
Document	alo Motorial 7	France aut - t	ion and M	anagament						
	ole Material 1 ial Type		Volume		ative Total	Transma	rtor	Boo	eiving Facility	
	one	Daily	voluille	Cumula	ILIVE TOLAI	Transpo	n tei	Rec	eiving racilly	
IN.	UIIC							+		
		<u> </u>								



320-2 DAILY QUALITY CONTROL REPORT

Daily Report Number:		21003-0003/002	D	AY		Thrusday	Date:	March 2, 201	7
9 Joh Safety: (List ite	ems check	ed, results, instructions, a	nd c	orrective ac	tio	ns taken)			
Inspections Conduct		ca, results, mondetions, ar	14 0	orreotive ac	,,,,,	ilo takon)			
Personal PPE	X	First Aid Kits	T	Х	Т				
Vehicles	X	Electrical Cords		X	1				
Fire Extinguishers	Х								
	violations	, corrective measures, dan	nage	d or compr	om	ised equipmer	nt, etc.		
a None									
b									
С									
d									
е									
f									
g									
		summarize topics discuss							
Slips, Trips and Falls, P	roper Lifting	g Techniques, Vehicle Safety	/, Hy	dration, Bud	ldy	System			
Ware all activities as	nduotod i	n accordance with EM 385-	1 12		IV	YES	ı		
were all activities co	illuucteu II	raccordance with EW 305-	1-11		X	IES			
10 Domarks: (Instruc	tione roco	ived or given. Conflicts in	Dlar	se and/or S	noc	ifications Do	ave oncoun	torod)	
10. Remarks. (msuuc	, lions rece	ived of given. Connicts in	riai	is allu/or 3	her	ilications. De	lays encoun	tereu)	
11 Planned Activities	· (List ant	icipated field activities for	next	day of wor	k)				
Surface sweep of Area		ioipatoa noia activitico ioi i	TOAL	aug of fron	,				
Continue staking bound		ansect lines of Site I							
<u> </u>									
12. Safety Hours:									
		E and Subcontractors:		90.0		Number of On-			2
Cumulative safety hou	ırs to date:			180.0		Calendar Days	since Start of	of Work:	2
		half of the Contractor, I certify							sed
		orting period are in complian	ce w	ith the contr	act	plans and spec	cifications, to	the best of my knowledge,	
except as may be noted	above.								
(6)									
					_			2-Mar-17	
								Date	
					_		1	2-Mar-17	
							·	Date	



320-1 SITE CONTROL LOG (SCL)

Contract Number:	W91ZLK-13-D-0003	Task Order No:	0003
CAPE Project Number:	21003.003	Date:	March 2 2017
Project Location:	Ft.Bliss, TX		
Project Description:	RI at Biggs OB/OD Site I and SI at Bigg	s OB Site II	

TI	TIME (b) (6)						
IN OUT		(5) (6)	ORGANIZATION				
0630	1700		CAPE				
0630	1700		CUPE				
0630	1900		CARE				
0630	1700		CAP6 Parsons				
0670	1700		CAPE				
0630	1700		Cope Cope				
0030	1700		OPPE				
0630	1900		CAPE				
0630	1700		pasons				
).					



TAILGATE SAFETY MEETING RECORD

Day / Date: Thursday, March 2, 2017 Time: 0630 Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB Project Number: W91ZLK-13-D-0003 Client: Ft. Bliss Location: Texas Specific Location: Ft Bliss, Texas Work Description: Site Setup; Surface Clearance Comments: WEEKLY TOPIC: Housekeeping SAFETY TOPICS PRESENTED Protective Clothing / Equipment: PPE Level D. Chemical Hazards: **Physical Hazards:** 1. Slips, trips and falls. 2. Proper Lifting techniques Vehicle Safety Emergency Procedures: Notify SUXOS and UXOS immediately. Emergency medical assistance is requested through Base Operations Radio. **Emergency Hospital: William Beaumont Army Medical Center** Hospital Telephone: (915) 742-2121 Hospital Directions: Copy in each vehicle Special Equipment: Other: HYDRATE! 1. Buddy system. Work in groups of no less than 2 people. Good Housekeeping and hygiene. Report all injuries to UXOSO, no matter how small they may be. SAFETY MEETING ATTENDEES Name Printed / Initial CERY (B 3455 10. 11. 12.

> 13. 14. s, UXOS

DAILY STATUS REPORT

Contract No.: W91ZLK-13-D-0003

Delivery Order: 0003

Project Location: Fort Bliss, El Paso County, Texas

Project Name: Environmental Remediation Services at Four Installation Remedial Program Sites and Military Munitions

Program Sites Fort Bliss, Texas **CAPE PM:** Benjamin Shiver **Parsons PM:** Laura Arciniaga

Project/Site Geophysicist: Brett Lyons

CAPE SUXOS: George Payne CAPE UXOSO/QC: Gerry Hills

Report Date: 03/02/2017

1. COMPLETION STATUS OF SITE ACTIVITIES

Activity	Activity	% Completion
	IVS Established	100
Geophysical Prep-Work	IVS Report	
Geophysical Flep-Work	Mark transect lines – Site I	4
	Surface Clearance – Site I	4
	DGM Transect Lines – Site I	
Geophysical Survey	DGM Radial Transect Lines – Site I	
	DGM Transect Lines – Site II	
International Institutions	Single-point Anomaly Investigations	
Intrusive Investigations	Disposal Feature Investigations	
	Site I SUs (8 total)	
Incremental Sampling (Phase I)	Ambient SUs (3 total)	
	Site II SUs (3 total)	
Phase II Incremental Sampling		

2. DAILY PRODUCTION

Site	Activity	Daily Total Performed
		(LF/# anomalies/# samples/etc.)
OB/OD I	Surface Clearance	3790 Feet

Fort Bliss Daily Status Report₁

3. DAILY REPORT

Finished assembly of the electronics on the EM61 tow vehicle. Peformed background survey over the proposed IVS and constructed the IVS. Initial IVS tests peformed to establish the expected values for the project. Team worked on staking out the end points of the transects of the large MEC investigation area of OB/OD Site I. Surface sweep was completed on the southern MEC investigation area of OB/OD Site I.

4. DAILY INSPECTIONS CONDUCTED

NA

5. DEPARTURES FROM THE FIELD SAMPLING AND ANALYSIS PLAN

NA

6. INCIDENTS/ACCIDENTS/NEAR MISSES

NA

7. WEATHER

Sunny High 69°F, Wind 15mph

8. OPERATIONS PLANNED FOR NEXT WORK DAY

Finish staking out end points of the small MEC investigation area of OB/OD Site I and conduct surface sweep. Begin marking/driving the lanes for surface clearance at the large MEC investigation area of OB/OD Site I.

9. DEMOLITION MATERIALS ACCOUNTING

NA

10. DETAILED MEC LISTING

NA

11. PERSONNEL ON SITE (EXCLUDING VISITORS)

(b) (6)	Name	Position	Organization	On-Site (yes/no)	Comments
(5) (5)		Geophysicist	Parsons	Yes	
		Field Tech	Parsons	Yes	
		SUXOS	CAPE	Yes	
		UXOSO/QC	CAPE	Yes	
		UXO Tech 3	CAPE	Yes	
		UXO Tech 2	CAPE	Yes	
		UXO Tech 2	CAPE	Yes	
		UXO Tech 2	CAPE	Yes	
		UXO Tech 2	CAPE	Yes	
				·	

Fort Bliss Daily Status Report2

	CAPE	
--	------	--

12. SITE VISITORS

Name	Organization	Purpose of Visit	Date of Safety Brief

13. EQUIPMENT ON-SITE

	Equipment	Vendor	Date on Site	Date off Site
	RTV	Ahern	2/28/17	TBD
	RTK GPS	WDS	2/27/17	TBD
	EM61 Towed Array	Parsons	2/27/17	TBD
*	May be recorded weekly.		<u>-</u>	

14. EXPOSURE DATA – COMPLETE ON FRIDAYS

Date	Organization	# of Staff on- Site	Total Man- hours (Week)	Total Vehicle Miles (Week)	# of Accidents (Week)
3/3/2017	Parsons				
	CAPE				
3/10/2017	Parsons				
	CAPE				
3/17/2017	Parsons				
	CAPE				
3/24/2017	Parsons				
	CAPE				
3/31/2017	Parsons				
	CAPE				
4/7/2017	Parsons				
	CAPE				
4/14/2017	Parsons				
	CAPE				

Fort Bliss Daily Status Report3

Type of Work	Quantity	Comments	
			Arrived on
Surface Sweep Transect Linear ft	NA		Hydration, MPH. Upor
Surface Sweep Transect Linear It	IVA		Site Safety
			,
DGM Transect collected Linear ft	NA		
Point Anomalies Investigated ea.	NA		
Pit/Trench Anomalies Investigated	NA		
ea.	NA		
Total Industrial debris recovered lbs	NA		
Total ilidustrial debris recovered ibs			
			_
Total Material Documented As Safes	NA		
(MDAS) recovered today lbs			
Total MPPEH Recovered lb.	NA		
Total WIFF ETT Necovered Ib.	INA		
Muntions Identified			
MEC found today (ea)	NA		
MEC Turned over today (ea)	NA		
			-
·			
Instructions Received From			4
Customer Representative			

Daily Narrative

Arrived on site 0630, Safety brief conducted by Gerry Hills, 9 attendees. Site specific topics: MEC safety, Hydration, PPE. Winds were approximately 25 MPH. By 0830 the wind speeds had increased to 40 to 45 MPH. Upon learning that the airfield had called a Red Flag for winds and visibility had decreased. The Site Safety along with the SUXOS called the day for safety reasons.



Daily Report N	Number:	21003-000	03/00 4	DAY	M onday	Date:		March 6, 201	7
Project Title:		RI at Biggs AAF	OB/OD Site 1 an Ft Bliss, T		F OB Site II	Contract N Task Order		W91ZLK-1	
Weather:	✓ Clear	Partly Cloudy	☐Cloudy		Temperature:	59°F	Min.	77°F	Max.
Wind: Wind Speed:	□Calm _4	□Breeze 2 mph	✓Windy	Precipitation: Weat	Rain her Information S	O Source:	Snow www.accu	0 weather.com	
1. Labor Sum	mary - Con	tractor & Subcontra	ctor Supervisio		sonnel onsite and	d Area of Res	ponsibility	:	
Number		Name	Hours	Cumulative Hours	Employer		Area of Re	sponsibility	
CAPE Super	vision								
	(b)	(6)	2.0	32.0	Cape			J X OS	
2	(b)	(6)	2.0	32.0	Cape			D/U X OQC	
3		(b) (6)	2.0	32.0	Cape		TE	CH III	
CAPE UXO									
4	(k	0) (6)	2.0	32.0	Cape			Tech II	
5	7	o) (6)	2.0	32.0	Cape		U X O	Tech II	
6	(t	0) (6) 0) (6)	2.0	32.0	Cape		U X O	Tech II	
7			2.0	32.0	Cape		U X O	Escort	
8									
Subcontract	or(s)								
9	(b) (6)	2.0	32.0	Parsons			echnician	
10	(b) (6)	2.0	32.0	Parsons		Site/Project	t Geoph y sicis	t
	_								
		tal Hours:	18.0	2 88.0					
Comments (List any Vi	sitors to Project and	I purpose of Vis	it):					
2. Equipment	(Not Hand	Tools): shaded iter	ns indicate equi						
			Audio Doto	Departure	Date of Last	Days on	Hours	Hours	Hours
	`	Model Number)	Arrival Date	Date	Check	Rent	Used	Idle	Repair
Chevy Silverad			3/3/2017		03/06/17	3	2	8	
Chevy Silverad		HG- 4 093	3/3/2017		03/06/17	3	2	8	
Nissan Titan 4x			2/28/2017		03/06/17	6	2	8	
Dodge Ram 25			2/28/2017		03/06/17	6	2	8	
Cushman Haul			3/3/2017		03/03/17	3	0	10	
Cushman Haul	er 4x4 Utilit	y Cart	3/1/2017		03/03/17	5	0	10	
RTK GPS			2/28/2017		03/03/17	6	0	10	
EM61 Towed A	ırray		2/2 8/ 2 017		03/03/17	6	0	10	
Comments:									
		y: (Indicate location	n and description	on of work perfo	rmed by CAPE at	na/or Subcor	itractors. \	wnen networ	k analysis
		activity number) to high winds and bl	owing dust. High	wind advices in	sund by LICAE M/	aathar Sania	from 0820	to 1500 local	tima
b Site	oroseu uut	, to mgn willus and bi	owing dust. Tilgi	i wiilu auvisury is	isaed by OOM W	Carrier Gerald	. nom 0030	10 1000 100al	LITTIG.
C									
d									
e f									



Daily Rep	ort Number:		21003-000	03/004	DAY	M onday	Date:	M	la r ch 6, 2017
4. Three F	hase Contro	l Activities	Performed	i:					
	Definable l	Festures o	f Work (DF	\ M /\		Meetings	/Inspection	s Completed	
	Delillable	r catales o	1 WOIK (DI	**,	Prep	aratory	Init	ial	Follow-up
а	Mobilization a	and Site Pre	epa r ation			28/17	03/0		03/03/17
b	Vegetation R	emo v al		02	2 8/17	03/0	1/17		
С	DG M Operati					2 8/17	03/0		
d	Surface MEC					28/17	03/0		03/03/17
e	M unitions De	b r is Remov	al and Disp	osal	02	28/17	03/0	1/17	03/03/17
5 Tasts P	erformed an	d Test Res	ulte:						
	ory Analytical		uits.						
	f Sample		e Date	Matrix	Sample ID No.	Analyses Re	auested	С	omments
.,,						,	,		
Geotech	nical and Ma	terial Testi	ng:						
T	ype of Testin	g Performe	ed	Test Date	Re	sults of Testing		С	omments
Field Sc	reening:								
	ype of Testin	a Performe	ed	Test Date	Re	sults of Testing	Т	С	omments
	ype or resum	gronomi	,,,	Tool Date	110	sales or resulting			Olimicités
Commer	nts:								
6 Inspect	tions Perform	ed and ins	enection Re	eulte:					
	a / Work Elen				of Inspection on	Project Site	Inspec	tion Results	(Accept / Reject)
7.00									(, isospii, itojosi)
7. Materia	l Received:	(Note Insp	ection resu	Its and storage	provided)			Inspection	
								Results	
			Unit of		Cumulative			(Accept or	Complies with Buy
Item	Descrip	otion	Measure	Daily Quantity	Quantity	Storage Pro	ovided	Reject)	American Act
а	None			•	•				Yes No
b									Yes No
С									Yes No
d									Yes No
<u>.</u>									
8. Transp	ortation and	Disposal o	f Liquids, S	Solids, Recyclab	le Steel, and Go	vernment Proper	ty:		
	ardous Trans				,				
Wast	te Type	Daily	Volume	Cumula	itive Total	Transpo	rter	Dis	posal Facility
N	lone								
Beautil	ala 0 <i>0-t:-</i>	vance cut 1	ian 18.5						
	ole Material T				tius Total	Trans:	rtor	D	ajuina Easilita
	rial Type Ione	Dany	Volume	Cumula	tive Total	Transpo	nter	Kec	eiving Facility
19	10116								



Daily Report Number:		21003-0003/004	DAY		Monday	Date:		March	6, 2017	
9. Job Safety: (List ite	ems checke	ed, results, instructions,	, and correctiv	e action	ıs taken)					
Inspections Conduct	ted:									
Personal PPE	Χ	First Aid Kits	X							
/ehicles	X	Electrical Cords	X							
Fire Extinguishers	Х									
	violations,	corrective measures, d	lamaged or co	mpromi	sed equipme	nt, etc.				
a None										
b										
C										
d										
e f										
g										
•	Meeting: (s	summarize topics discu	issed)							
		Techniques, Vehicle Saf		Emerge	ncv Procedure	es				
<u>po,po aa . ao,</u>	. op o	,	,							
Were all activities co	nducted in	accordance with EM 38	85-1-1?	Х	YES					
0. Remarks: (Instruc	tions recei	ved or given. Conflicts	in Plans and/	or Speci	fications. De	elays encour	ntered)			
		cipated field activities for	or next day of	work)						
Begin surface sweep or	Area 1.		or next day of	work)						
Begin surface sweep or	Area 1.		or next day of	work)						
Begin surface sweep or	Area 1.		or next day of	work)						
	Area 1.		or next day of	work)						
Begin surface sweep or	Area 1.		or next day of	work)						
egin surface sweep or	Area 1.		or next day of	work)						
Begin surface sweep or	Area 1.		or next day of	work)						
Segin surface sweep or Continue marking transe	Area 1.		or next day of	work)						
Segin surface sweep or Continue marking transe transe	Area 1. ect boundar	ies in Area 1.			Jumber of On	site Workda	WS.			
tegin surface sweep or continue marking transections. 2. Safety Hours: Daily safety hours includes	Area 1. ect boundar	ies in Area 1.	18.0		Number of On-					4 7
egin surface sweep or ontinue marking transection. 2. Safety Hours: Daily safety hours included the company of	Area 1. ect boundari uding CAPE irs to date:	ies in Area 1. E and Subcontractors:	18.0	D C	Calendar Days	s since Start	of Work:			7
2. Safety Hours: Daily safety hours included a safety hours. Cumulative safety hours included a safety hours.	Area 1. ect boundar uding CAPE ers to date: on: On beh ening this repo	ies in Area 1.	18.0 288.0 rtify that this re	D O	Calendar Days	s since Start of	of Work:			7
2. Safety Hours: Daily safety hours included a safety hours included a safety hour safety as may be noted	Area 1. ect boundar uding CAPE ers to date: on: On beh ening this repo	ies in Area 1. E and Subcontractors:	18.0 288.0 rtify that this re	D O	Calendar Days	s since Start of	of Work:			7
2. Safety Hours: Daily safety hours included a safety hours included a safety hour safety as may be noted	Area 1. ect boundar uding CAPE ers to date: on: On beh ening this repo	ies in Area 1. E and Subcontractors:	18.0 288.0 rtify that this re	D O	Calendar Days	s since Start of	of Work:	of my know		7
2. Safety Hours: Daily safety hours included a safety hours included a safety hour safety as may be noted	Area 1. ect boundar uding CAPE ers to date: on: On beh ening this repo	ies in Area 1. E and Subcontractors:	18.0 288.0 rtify that this re	D O	Calendar Days	s since Start of	of Work:			7
2. Safety Hours: Daily safety hours included a safety hour contractor's Verification downky performed during a may be noted.	Area 1. ect boundar uding CAPE ers to date: on: On beh ening this repo	ies in Area 1. E and Subcontractors:	18.0 288.0 rtify that this re	D O	Calendar Days	s since Start of	of Work:	of my know 6-Mar-17		7
2. Safety Hours: Daily safety hours included a safety hour contractor's Verification downky performed during a may be noted.	Area 1. ect boundar uding CAPE ers to date: on: On beh ening this repo	ies in Area 1. E and Subcontractors:	18.0 288.0 rtify that this re	D O	Calendar Days	s since Start of	of Work:	of my know 6-Mar-17		7
egin surface sweep or continue marking transector. 2. Safety Hours: Daily safety hours included to contractor. Verification work performed during the contractor as may be noted.	Area 1. ect boundar uding CAPE ers to date: on: On beh ening this repo	ies in Area 1. E and Subcontractors:	18.0 288.0 rtify that this re	D O	Calendar Days	s since Start of	of Work:	of my know 6-Mar-17 Date		7
2. Safety Hours: Daily safety hours included a safety hours included a safety hour safety as may be noted	Area 1. ect boundar uding CAPE ers to date: on: On beh ening this repo	ies in Area 1. E and Subcontractors:	18.0 288.0 rtify that this re	D O	Calendar Days	s since Start of	of Work:	6-Mar-17 Date 6-Mar-17		7
2. Safety Hours: Daily safety hours included a safety hours included a safety hour safety as may be noted	Area 1. ect boundar uding CAPE ers to date: on: On beh ening this repo	ies in Area 1. E and Subcontractors:	18.0 288.0 rtify that this re	D O	Calendar Days	s since Start of	of Work:	of my know 6-Mar-17 Date		7
2. Safety Hours: Daily safety hours included a safety hours included a safety hour safety as may be noted	Area 1. ect boundar uding CAPE ers to date: on: On beh ening this repo	ies in Area 1. E and Subcontractors:	18.0 288.0 rtify that this re	D O	Calendar Days	s since Start of	of Work:	6-Mar-17 Date 6-Mar-17		7
2. Safety Hours: Daily safety hours included a safety hours included a safety hour safety as may be noted	Area 1. ect boundar uding CAPE ers to date: on: On beh ening this repo	ies in Area 1. E and Subcontractors:	18.0 288.0 rtify that this re	D O	Calendar Days	s since Start of	of Work:	6-Mar-17 Date 6-Mar-17		7
egin surface sweep or continue marking transector. 2. Safety Hours: Daily safety hours included a contractor of the con	Area 1. ect boundar uding CAPE ers to date: on: On beh ening this repo	ies in Area 1. E and Subcontractors:	18.0 288.0 rtify that this re	D O	Calendar Days	s since Start of	of Work:	6-Mar-17 Date 6-Mar-17 Date		7
egin surface sweep or continue marking transector. 2. Safety Hours: Daily safety hours included to contractor. Verification work performed during the contractor as may be noted.	Area 1. ect boundar uding CAPE ers to date: on: On beh ening this repo	ies in Area 1. E and Subcontractors:	18.0 288.0 rtify that this re	D O	Calendar Days	s since Start of	of Work:	6-Mar-17 Date 6-Mar-17		7



320-1 SITE CONTROL LOG (SCL)

Contract Number:	W91ZLK-13-D-0003	Task Order No:	0003
CAPE Project Number:	21003.003	Date:	March 6, 2017
Project Location:	Ft.Bliss, TX		
Project Description:	RI at Biggs OB/OD Site I and SI at Bigg	s OB Site II	

	ME	(b) (6)
IN	OUT	ORGANIZATION
0630	0830	CAP a-
0130	0830	CHPE
0630	0830	Carre
0630	0830	CAPE
0636	0830	USACE
0630	0830	PARSONS
0630	0830	Parons
2630	0830	CAPE
0630	0830	C/50c
0638	0830	CAPE
	1	
	1	



TAILGATE SAFETY MEETING RECORD

Day / Date: Monday, March 6, 2017

Time: 0630

Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB

Project Number: W91ZLK-13-D-0003

Site II

Client: Ft. Bliss

Location: Texas

Specific Location: Ft Bliss, Texas

Work Description: Surface Clearance, DGM Operations

Comments:

SAFETY TOPICS PRESENTED

Protective Clothing / Equipment: PPE Level D.

Chemical Hazards: SDS on file with UXOSO

Physical Hazards:

- Slips, trips and falls. 1.
- Communications
- 3. Vehicle Safety

Emergency Procedures: Notify SUXOS and UXOS immediately. Emergency medical assistance is requested through Base Operations Radio.

Emergency Hospital: William Beaumont Army Medical Center

Hospital Telephone: (915) 742-2121

Hospital Directions: Copy in each vehicle

Special Equipment:

Other: HVDRATE!

- 1. Fatigue.
- Good Housekeeping and hygiene.
- 3. Report all injuries to UXOSO, no matter how small they may be.

Date 3/7/2017	Ft Bliss Biggs Airfield DAILY SUMMARY
---------------	---------------------------------------

Type of Work	Quantity	Comments	
			Arri
Surface Sweep Transect Linear ft	12,295	Completed transects 69 through 56	Hyd are the
			3/8
DGM Transect collected Linear ft	NA		
Point Anomalies Investigated ea.	NA		
Pit/Trench Anomalies Investigated ea.	NA		
Total Industrial debris recovered lbs	10		
Total Material Documented As Safes (MDAS) recovered today lbs	65		
Total MPPEH Recovered lb.	NA		
Muntions Identified			
MEC found today (ea)	NA		
MEC Turned over today (ea)	NA		
Instructions Received From			

Daily Narrative

Arrived on site 0630, Safety brief conducted by Gerry Hills, 10 attendees. Site specific topics: MEC safety, Hydration. Continued marking the lanes in OB/OD Site 1 area 1. Began surface sweep of marked lanes in area 1. Roll off arrived on site. A visual survey was made of OB/OD Site 2 by Mr. Hills and Mr. Coffindaffer, they determined that a limited surface sweep is required due to surface metals. Work scheduled for 3/8/2017; continue surface sweep of Area 1 in OB/OD 1 and begin DGM data collection of Area 1.



Daily Rep	ort Number:	21003-000	3/005	DAY	Tuesday	Date:		March 7, 201	7
Project Tit	·le·	RI at Biggs AAF	∩B/∩D Site 1 an	d SLat Bings 🗚	F ∩B Site II	Contract N	ılo ·	W91ZLK-1	13-17-0003
		rti di Digga 7171	Ft Bliss, T		000000	Task Orde		00	
Weather:	✓ Clear	Partly Cloudy	Clo udy		Temperature:	4 6°F	Min.	73°F	Max.
Wind: Max Wind	Calm Speed: 2	✓Breeze 3 mph	Windy	Precipitation: Weat	Rain her Information S	0 Source:	Snow www.accu	0 weather.com	
1. Labor S	Summary - Cor	ntractor & Subcontra	ctor Supervisio		sonnel onsite an	d Area of Re	sponsibility	" :	
Number		Name	Hours	Cumulative Hours	Employer		Area of Re	esponsibility	
CAPE St	upervision							- p	
1	(b)	(6)) (6)	10.0	42.0	Cape			J X OS	
2			10.0	42.0	Cape			D/UXOQC	
3	(b) (6)	10.0	42.0	Cape		IE	CH III	
4		a) (6)	10.0	42.0	Cape	1	LIXO	Tech II	
5	 	o) (6) b) (6)	10.0	42.0	Cape			Tech II	
6	l l	0) (6)	10.0	42.0	Cape			Tech II	
7	(b) (10.0	42 .0	Cape		U X C	Esco r t	
8									
	ractor(s)	1.) (6)							
9	<u>ار</u> ــــــــــــــــــــــــــــــــــــ	b) (6)	10.0 10.0	42.0	Parsons			echnician	
10	<u> </u>	D) (b)	10.0	42.0	Parsons		Site/Projec	t Geoph y sicis	
	To	tal Hours:	90.0	378.0	+				
Commer		sitors to Project and	purpose of Vis						
2 Fauinn	ent (Not Hand	Tools): shaded iter	ms indicate equi	nment that has	heen taken off re	ent and/or of	fsite		
z. zgaipii	Torre (Troc Flatio	Tooloj. Siladed leel	T T	Departure	Date of Last	Days on	Hours	Hours	Hours
Descrip	ition (Make and	d Model Number)	Arrival Date	Date	Check	Rent	Used	Idle	Repair
	erado- White - (3/3/2017		03/07/17	4	3	0	1
	e r ado- Blac k - (3/3/2017		03/07/17	4	3	0	
	an 4x4 - Pa r son		2/28/2017		03/07/17	7	3	0	
		ter Van - Parsons	2/28/2017		03/07/17	7	3	0	
Cushman I	Hauler ATV (17	14 /8 - Cape)	3/3/2017		03/07/17	4	8	0	5
RTK GPS	Hauler ATV (10	8809 - Pa r sons)	3/1/2017 2/28/2017		03/07/17 03/03/17	6 7	3 8	0	 3
EM61 Tow	ed Arr av		2/28/2017		03/03/17	7	3		
	,		22372311		30,00,11	·		i	
Commer	nts:								
Cushman 4	4x4 had th r ee fla	at ti r es. Rental compa	an y r eplaced ti r es	i.					
3. Work P	erformed Toda	ay: (Indicate location	n and description	n of work nerfo	rmed by CAPE at	nd/or Subco	ntractors	Nhen networ	k analysis
		activity number)	. and assemption	Di IIOR POITO	or by orn E a	.2.0. 30000		torr riottyfol	arraryord
		e metal from Site 1, A	rea 3. QC accep	ted.					
b		rking transect lines in							
С		face sweep of transec			eet				
d									
e									
f									



Daily Rep	ort Number:		21003-00	03/005	DAY	Tuesday	Date:	N	larch 7, 2017
4. Three I	Phase Contro	l Activities	Performed	d:					
						Meetings	/ Inspectio	ns Completed	
	Definable	Features o	t Work (DF	·w)	Prepa			itial	Follow-up
а	M obilization a		epa r ation		02/28/17		03/	01/17	03/03/17
b	Vegetation R DGM Operati				02/2 02/2			01/17 01/17	Task Complete
d d	Surface MEC	Clea r ance			02/2			01/17	03/07/17
е	M unitions De	b r is Remov	al and Disp	osal	02/2		03/	01/17	03/03/17
f									
5. Tests F	Performed an	d Test Res	ults:						
	ory Analytica								
Type o	of Sample	Samp	e Date	Matrix	Sample ID No.	Analyses Red	quested		comments
Geotech	nnical and Ma Type of Testin	terial Testi	ng:	Test Date	Beer	ulta of Tooting			
<u> </u>	ype or resun	g Feriorini	eu .	Test Date	Resi	ults of Testing			comments
F:-14 O-									
	reening: Type of Testin	a Performa	ed	Test Date	Resi	ults of Testing			comments
)po 01 100	9 1 01101111		1000 Date	1100	anco or rooming		•	
Comme	nts:								
	tions Perform								
Are	a / Work Elen		cted	Location	of Inspection on F	Project Site	Insp		(Accept / Reject)
	Surface Sv	weep UC		-	Site 1, Area 3			Acce	ept
7 Materia	al Received:	(Note Insn	ection resu	ılts and storage	nrovided)				
ltem	Descri		Unit of Measure	Daily Quantity	Cumulative Quantity	Storage Pro	vided	Inspection Results (Accept or Reject)	Complies with Buy American Act
а	None								Yes No
b									Yes No
d d				<u> </u>		<u> </u>			Yes No
u									
					ole Steel, and Gov	ernment Propert	y:		
	zardous Tran				-4: T-4-1	T	4	D:	
	te Type None	Dally	Volume	Cumuia	ative Total	Transpo	πer	DIS	posal Facility
	-3110								
	I-1 - B8-4								
	ble Material T rial Type		ion and Ma Volume		ative Total	Transpo	rter	Rec	eiving Facility
	None	Daily	Totalle	Camara	acre rotar	i anspo		1/60	orrang racinty
1									



Inspections Conducted: Personal PPE
Inspections Conducted:
Vehicles X Electrical Cords X Comments: (include violations, corrective measures, damaged or compromised equipment, etc. a None b c d e f g Daily Tailgate Safety Meeting: (summarize topics discussed) Slips, Trips and Falls, Proper Lifting Techniques, Vehicle Safety, Hydration Were all activities conducted in accordance with EM 385-1-1? X YES 10. Remarks: (Instructions received or given. Conflicts in Plans and/or Specifications. Delays encountered) Approximately 40 pounds of small arms projectiles were removed from Area 3 of site 1. Immediately to the south of the area is a pile of debris
Comments: (include violations, corrective measures, damaged or compromised equipment, etc. a None b C C C C C C C C C C C C C C C C C C
Comments: (include violations, corrective measures, damaged or compromised equipment, etc. a None b
a None b c d d e f g Daily Tailgate Safety Meeting: (summarize topics discussed) Slips, Trips and Falls, Proper Lifting Techniques, Vehicle Safety, Hydration Were all activities conducted in accordance with EM 385-1-1? X YES Verification
b c d d e f g Daily Tailgate Safety Meeting: (summarize topics discussed) Slips, Trips and Falls, Proper Lifting Techniques, Vehicle Safety, Hydration Were all activities conducted in accordance with EM 385-1-1? X YES 10. Remarks: (Instructions received or given. Conflicts in Plans and/or Specifications. Delays encountered) Approximately 40 pounds of small arms projectiles were removed from Area 3 of site 1. Immediately to the south of the area is a pile of debris
C d e f g Daily Tailgate Safety Meeting: (summarize topics discussed) Slips, Trips and Falls, Proper Lifting Techniques, Vehicle Safety, Hydration Were all activities conducted in accordance with EM 385-1-1? X YES 10. Remarks: (Instructions received or given. Conflicts in Plans and/or Specifications. Delays encountered) Approximately 40 pounds of small arms projectiles were removed from Area 3 of site 1. Immediately to the south of the area is a pile of debris
e f g Daily Tailgate Safety Meeting: (summarize topics discussed) Slips, Trips and Falls, Proper Lifting Techniques, Vehicle Safety, Hydration Were all activities conducted in accordance with EM 385-1-1? X
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Daily Tailgate Safety Meeting: (summarize topics discussed) Slips, Trips and Falls, Proper Lifting Techniques, Vehicle Safety, Hydration Were all activities conducted in accordance with EM 385-1-1? IV. YES 10. Remarks: (Instructions received or given. Conflicts in Plans and/or Specifications. Delays encountered) Approximately 40 pounds of small arms projectiles were removed from Area 3 of site 1. Immediately to the south of the area is a pile of debris
Were all activities conducted in accordance with EM 385-1-1? X YES
10. Remarks: (Instructions received or given. Conflicts in Plans and/or Specifications. Delays encountered) Approximately 40 pounds of small arms projectiles were removed from Area 3 of site 1. Immediately to the south of the area is a pile of debris
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Approximately 40 pounds of small arms projectiles were removed from Area 3 of site 1. Immediately to the south of the area is a pile of debris
containing the remints of a backstop, target frames and small arms projectiles.
The state of the s
11. Planned Activities: (List anticipated field activities for next day of work)
Continue surface sweep of Site 1, Area 1
Begin collectiing DGM data.
12. Safety Hours: Daily safety hours including CAPE and Subcontractors: 90.0 Number of On-site Workdays: 5
Daily safety hours including CAPE and Subcontractors: 90.0 Number of On-site Workdays: 5 Cumulative safety hours to date: 90.0 Number of On-site Workdays: 5 Calendar Days since Start of Work: 8
outstand builty hours to date.
Contractor's Verification: On behalf of the Contractor, I certify that this report is complete and correct, and all materials and equipment used
Contractor's Verification: On behalf of the Contractor, I certify that this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge,
and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge,
and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge,
and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge,
and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, 7-Mar-17 Date
and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, 7-Mar-17 Date 7-Mar-17
and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, 7-Mar-17 Date

7-Mar-17 Date



320-1 SITE CONTROL LOG (SCL)

Contract Number:	W91ZLK-13-D-0003	Task Order No:	
CAPE Project Number:		Task Order No:	0003
	21003.003	Date:	March 7, 2017
Project Location:	Ft.Bliss, TX		Watch 7, 2017
Project Description:	RI at Biggs OB/OD Site I and SI at Bigg	is OB Site II	

TIME		(b) (6)				
IN	OUT	ORGANIZATION				
0630	1700	CAIC				
0630	1700	CIME				
0630	1700					
0630	1700	CAPE				
0630	1700	USACE_				
0630	1700	DARSONIC				
0630	1700	Parsons				
D630	1700	CAPE				
630	1700	CARO				
0630	1700	CAPE				
	- 4	(141)				

CAPE Form 320-1, Revised January, 2009



TAILGATE SAFETY MEETING RECORD

Day / Date: Tuesday, March 7, 2017 Time: 0630

Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB

Site II

Project Number: W91ZLK-13-D-0003

Client: Ft. Bliss Location: Ft. Bliss, Texas

Specific Location: Biggs AAF, Texas

Work Description: Surface Clearance, DGM Operations

Comments:

SAFETY TOPICS PRESENTED

Protective Clothing / Equipment: PPE Level D.

Chemical Hazards: SDS on file with UXOSO

Physical Hazards:

1. Slips, trips and falls.

Sun Protection

3. Vehicle Safety

Emergency Procedures: Notify SUXOS and UXOS immediately. Emergency medical assistance is requested through Base Operations Radio.

Emergency Hospital: William Beaumont Army Medical Center

Hospital Telephone: (915) 742-2121

Hospital Directions: Copy in each vehicle

Special Equipment:

Other: HYDRATE!

1. Fatigue.

Good Housekeeping and hygiene.

Report all injuries to UXOSO, no matter how small they may be.



320-6 FOLLOW UP PHASE INSPECTION

Contract Number:		W91ZLK-13-D-0003		Task Order No):	0003		
CAPE Proj	ect No.:	21003.003 Date:		Date:	7-Mar-17		Mar-17	
Project Loc	cation:	Ft. Bliss, Texas		-		-		
DFW:		Surface Clearan	ice	Spec Sect.		Drawing		
1. INITIAL	PHASE INS	SPECTION / MEE	TING ATTEN	DEES:				
		NAME		SITION	CC	OMPANY / CL	IENT	
1	(b) (6)			OQC		Cape		
2				IXOS		Cape		
3				am Leader		Cape		
4						•		
5								
Was Clier	nt Represer	ntative notified?			Yes	✓ No		
2 INITIAI	PHASE INS	SPECTION CHEC	KLIST:					
	RAL ITEMS		1(2101)					
Done	N/A	Ī	Description		Results	Actio	on Items	
✓		Check prelimina		view minutes of	the Preparatory I	Inspection / Me	eeting.	
✓		Check that mate	rials and equi	pment being use	d comply with pro	oject requirem	ents.	
✓		Check the work	to ensure it is	full compliance v	vith the project re	equirements.		
B. CONT	ROLS TO	ASSURE FULL C	OMPLIANCE:					
			Controls		Testing			
		QC Officer Obs			Checked Testi	ng procedure		
✓		Qualified Inspe			Checked Instr	umentation Calibr	ation	
		3rd Party Inspe	ection & Testing			ding Forms & Tra	acking ID No.	
		Other,			✓ None			
C. ESTA	BLISH LEV	VEL OF WORKMAN Work Location:	ANSHIP:	Site 1 - Area 3				
✓		Is a sample pane	ol roquirod?	Site 1 - Area 3		Yes	✓ No	
Ŭ		Is initial work co		sample?		Yes	V No	
				ve any difference	es or interpretation			
✓		representative.		ive any amorenes	o o mao protun	, , , , , , , , , , , , , , , , , , ,		
		Check safety to	include compl	iance with Safety	Plan and Activit	y Hazard Anal	yses. Review the	
✓		Activity Hazard A	Analyses.					
		Were procedure	s and work me	ethods	✓ Yes			
√		witnessed in stri	ct compliance	with project	N∘			
		requirements?						
		Is a re-inspection	n required?		Yes			
✓					✓ No			
		Y OF INITIAL INS					-	
-		in search area.		-	-			
		oe removed. To t rea including targ		-				
u əman am	nstaryet di	ea moluumiy tar(yernames, III	ioù siliali alliis	orogeomes and i	υαννειοή πιμ	J ⊍ I 3.	
			(b) (c)					
			(b) (6)					

Quality Control Representative:

Type of Work	Quantity	Comments	Daily Narrative
	_ ,		Arrived on site 0630, Safety brief conducted by Gerry Hills, 10 attendees. Site specific topics: MEC safety,
Surface Sweep Transect Linear ft	25,797	Completed transects 25 thru 1	Hydration, sun protection. Completed surface sweep of marked lanes in area 1. Completed DGM in area 1. Schedule for 3-10-2017, DGM of areas 2 and 3 of OB/OD 1. Surface sweep of OB/OD 2. During the surface sweep of transects 25 thru 1 several roof tiles which resemble transite were found. A sample was collected
			and will be sent to a lab to determine if it is.
DGM Transect collected Linear ft	68,749	Completed transects 46 thru 1	
Point Anomalies Investigated ea.	NA		
Pit/Trench Anomalies Investigated ea.	NA		
Total Industrial debris recovered lbs	NA		
Total Material Documented As Safes (MDAS) recovered today lbs	39		
Total MPPEH Recovered lb.	NA		
Muntions Identified			
MEC found today (ea)	NA		
MEC Turned over today (ea)	NA		
Instructions Received From			
Customer Representative			

10/03/2018



Daily Rep	ort Number:	21003-000	3/007	DAY	Thursday	Date:		March 9, 201	7
Project Tit	fle:	RI at Biggs AAF (∩B <i>I</i> ∩D Site 1 an	d SLat Bings 🗚	E ∩B Site II	Contract N	lo ·	W91ZLK-1	3-D-0003
. 10,000		rti di Digga 7171	Ft Bliss, T		0 0 0 10 11	Task Orde		000	
Weather:	✓ Clear	Partly Cloudy	☐Clo udy		Temperature:	4 7°F	Min.	82°F	Max.
Wind: Max Wind	Calm	✓Breeze 4 mph	Windy	Precipitation: Weatl	Rain her Information S	0 Source:	Snow www.accu	0 weather.com	
	_								
1. Labor	Summary - Cor	ntractor & Subcontra	ctor Supervisio		sonnel onsite and	d Area of Re	sponsibility	:	
Number		Name	Hours	Cumulative Hours	Employer		Area of Re	esponsibility	
	upervision	Trainio					71 00 01 10	opension,	
1	(b)	(6)) (6)	10.0	62.0	Cape			I X OS	
2	(b) (6)	10.0	62.0	Cape			D/UXOQC	
3			10.0	62.0	Cape		IE	CH III	
4	1 1	2) (6)	10.0	62.0 I	Cape	1	LIXO	Tech II	
5		o) (6) h) (6)	10.0	62.0	Cape			Tech II	
6	1	b) (6) b) (6)	10.0	62.0	Cape			Tech II	
7		-/ (-/	10.0	62.0	Cape		U X C	Escort	
8									
	tractor(s)		1 100 1			_	E: 1.1.		
9 10		Bill Butler rett Lyons	10.0	62.0 62.0	Parsons Parsons			<u>echnician</u> t Geoph y sicist	
10	┨┝────	Tell Lyons	10.0	02.0	Falsons		Gite/Fituje c	. Geophysicisi	
	То	tal Hours:	90.0	558.0	1				
Comme	nts (List any Vi	sitors to Project and	purpose of Vis	it):		•			
2. Equipn	nent (Not Hand	Tools): shaded iter	ns indicate equi	pment that has	been taken off re	ent and/or of	fsite		
	•	ĺ	<u> </u>	Departure	Date of Last	Days on	Hours	Hours	Hours
Descrip	otion (Make and	d Model Number)	Arrival Date	Date	Check	Rent	Used	Idle	Repair
	re r ado- W hite - 0		3/3/2017		03/09/17	6	4	4	
	e r ado-Blac k - C		3/3/2017		03/09/17	6	6	2	
	an 4x4 - Pa r son		2/28/2017 2/28/2017		03/09/17	9	5	3	
	m 2500 Promas Hauler ATV (17	ter Van - Parsons	3/3/2017		03/09/17 03/09/17	9	5 8	3 0	
Cushman	Haule r ATV (16	8809 - Parsons)	3/1/2017		03/09/17	8	8	0	
RTK GPS			2/28/2017		03/09/17	9	8	0	
EM61 Tow			2/28/2017		03/09/17	9	8	0	
Comme	nts:								
		ay: (Indicate location	n and description	n of work perfo	rmed by CAPE ar	nd/or Subco	ntractors. N	Nhen networ	k analysis
is used, ic		activity number)							
a		face sweep of transec			00.740 "				
b	Completed DG	M data collection of ra	adiai lines and t r a	insects 4 6 th r u 1	= 68,7 4 9 linea r fe	eet.			
c d	 								
e									
f									



Daily Rep	ort Number:		21003-000	03/007	DAY	Thu r sday	Date:	M	larch 9, 2017	
4 Three F	hase Contro	1.8.4((4)	Dawfaymaa							
4. Inree F	nase Contro	Activities	Perrormed	1:						
	Definable	Features o	f Work (DF	W)			•	ns Completed		
		1.60				aratory	Init		Follow-up	
a	Mobilization 8		epa r ation			28/17	03/0		03/03/17	
b c	Vegetation R DGM Operati					28/17 28/17	03/0		Task Complete 03/08/17	
d	Surface MEC		<u> </u>			28/17	03/0		03/07/17	
e	Munitions De			osal		28/17	03/0		03/08/17	
f	MPPEH Insp				03/	09/17				
g	Soil Sampling		/sis							
h	Anomaly Rea Subsurface A		ractication.							
i	Demobilization		restigation							
,	Bolliobilizatio	211			I I	L	<u> </u>			
5. Tests P	erformed an	d Test Res	ults:							
	ory Analytica	l Testing:								
Туре о	f Sample	Sampl	le Date	Matrix	Sample ID No.	Analyses Re	quested	C	omments	
Geotech	nical and Ma	tarial Tasti	ina:							
	ype of Testin			Test Date	Re	sults of Testing	Т	C	omments	
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	g . cc		1001 2010	110	ounts or rooming	-			
Field Sc										
T	ype of Testin	g Performe	ed	Test Date	Re	sults of Testing		Comments		
							-			
							+			
Commer	nts:									
_										
	ions Perform				-£!	Design of Oits		-ti D It-	(A (D -: 4)	
Area	a / Work Elen		ctea		of Inspection on a 3 T r ansect lanes		inspe	Ction Results Acce	(Accept / Reject)	
	Surface Sv	weepac			s set - all recovere			Acce	spi	
				2 biii ia 300as	1301 0110004010	a by oxo toann				
7. Materia	l Received:	(Note Insp	ection resu	Its and storage	provided)					
								Inspection Results		
			Unit of		Cumulative			(Accept or	Complies with Buy	
Item	Descri	ption	Measure	Daily Quantity		Storage Pro	vided	Reject)	American Act	
а	None			,,	-,,			,	Yes No	
b	113113								Yes No	
С									Yes No	
d									Yes No	
	•					•	-		_	
					ole Steel, and Go	vernment Proper	ty:			
	ardous Tran	sportation	and Dispos	sal						
	Waste Type Daily Volume		Volume	Cumula	ative Total	Transpo	rter	Dis	posal Facility	
N	lone									
				1						
Recyclol	ole Material T	Transporto	ion and M	nagement						
	ial Type		Volume		ative Total	Transpo	rter	Rec	eiving Facility	
	lone	Dany	. viailie	Sumula		Transpo		1,00	ourning racinity	
	.5.15			1				1		



Daily Report Number:		21003-0003/007	DAY	Thursday	Date:	March 9, 201	7
O Joh Cofety, /Liet ite	ma ahaak	ad reculto instructions	and corrective	actions taken)			
Inspections Conduct		ed, results, instructions	s, and corrective	actions taken)			
Personal PPE	X	First Aid Kits	X	1		T I	
Vehicles	X	Electrical Cords	X				
Fire Extinguishers	X						
	violations,	corrective measures,	damaged or com	promised equip	ment, etc.		
a None							
b							
c d							
e							
f							
g							
Daily Tailgate Safety	Meeting: (summarize topics disc	ussed)				
Slips, Trips and Falls, Pr	oper Lifting	g Techniques, Vehicle Sa	afety, Hydration, W	eekend Safety			
Were all activities co	nducted in	accordance with EM 3	85-1-1?	X YES			
10. Remarks: (Instruct	tions recei	ved or given. Conflicts	s in Plans and/or	Specifications.	Delays encou	ntered)	
11. Planned Activities:	/l ist anti	cinated field activities	for next day of w	ork)			
Conduct surface sweep		cipated field activities	ior flext day or w	JIK)			
Continue collectiing DGN		site 1 and site 2					
· ·							
12. Safety Hours:							
Daily safety hours inclu	uding CAPI	and Subcontractors:	90.0		On-site Workda		7
Cumulative safety hou	rs to date:		558.0	Calendar D	ays since Start	of Work:	10
Contractor's Verification	n: On beh	nalf of the Contractor, I co	ertify that this repo			Ill materials and equipment u	ısed
(6)				ns and s	specifications, to	the best of my knowledge,	
						9-Mar-17	
						Date	
						9-Mar-17	
					-	Date	
						9-Mar-17	
						Date	



TAILGATE SAFETY MEETING RECORD

Day / Date: Thursday, March 9, 2017 Time: 0630

Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB
Site II

Project Number: W91ZLK-13-D-0003

Client: Ft. Bliss Location: Ft. Bliss, Texas

Specific Location: Biggs AAF, Texas

Work Description: Surface Clearance, DGM Operations

Comments:

SAFETY TOPICS PRESENTED

Protective Clothing / Equipment: PPE Level D.

Chemical Hazards: SDS on file with UXOSO

Physical Hazards:

1. Slips, trips and falls.

2. Insects and reptiles

3. Vehicle Safety

Emergency Procedures: Notify SUXOS and UXOS immediately. Emergency medical assistance is requested through Base Operations Radio.

Emergency Hospital: William Beaumont Army Medical Center

Hospital Telephone: (915) 742-2121

Hospital Directions: Copy in each vehicle

Special Equipment:

Other: HYDRATE!

1. Allergies.

2. Good Housekeeping and hygiene.

3. Report all injuries to UXOSO, no matter how small they may be.

(b) (6)



320-1 SITE CONTROL LOG (SCL)

Contract Number:	W91ZLK-13-D-0003	Task Order No:	0003			
CAPE Project Number:	21003.003	Date:	March 9, 2017			
Project Location:	Ft.Bliss, TX					
Project Description:	RI at Biggs OB/OD Site I and SI at Biggs OB Site II					

TI	ME	(b) (6)	
IN	OUT	(b) (6)	ORGANIZATION
1630	1700		Cape
5630	1700		Parons
1630	1700		Parsons
0630	1700		GAPE
630	1700		CH 1-
1630	1700		Cger
0630	1700		Cape CASE
1630	1700		CAPE
0630	1700		COE
2630	1700		CAPE
			3.1.114

CAPE Form 320-1, Revised January, 2009



Contract Number:		W91ZLK-13-D-0003	Task Order No:		0003	
CAPE Project No.:		21003.003	Date:		9-Mar-17	
Project Loc	ation:	Ft. Bliss, TX				
DFW:	MPPEH Inspection and MD Turn-In		Spec Sect.		Drawing	

1. PREPARATORY PHASE INSPECTION / MEETING ATTENDEES:								
	NAME	POSITION	COMPANY / CLIENT					
1	(b) (6)	suxos	Cape					
2	(b) (6)	UXOSO/UXOQC	Cape					
3	(b) (6)	UXO Tech III	Cape					
4								
5								
6								
7								
8			-					
9								
10								

2. PREPAF	RATORY PH	IASE INSPECTION CHECKLIST:		
A. DOCU	MENT REV	TEW:		
Done	N/A	Description	Results	Action Items
✓		Review each applicable sections of the Work Pl	an	
✓		Review all applicable Standard Operating Proce	dures.	
✓		Review Explosive Safety Submittal (ESS).		
B. SUBM	IITTAL STA	TUS REVIEW:		
<u>Review</u> and app		ttal requirements to ensure that all materials and	/or equipment h	ave been tested, submitted,
< >		Have all plans been submitted and approved by Client, NOSSA, DDESB	✓ Yes	
✓		Are all required Permits received and on file on the jobsite and/or properly posted?	✓ Yes	
C. OFFS	ITE DISPOS	SAL OF MATERIALS:		
		Have all materials for disposal offsite been	Yes	
	✓	sampled and properly characterized for	N∘	
		disposal?	✓ N/A	
		Have Landfills been contacted and received	Yes	
	✓	copy of waste characterization results?	□ No	
			√N/A	



CAPE Project No.: Pt. Biss, TX Project Location: Ft. Biss, TX DFW: MPPEH Inspection and MD Turn-In Spec Sect. Drawing Have all Parties related to the approval process for hauling offsite been contacted and have they approved disposal methods? Has it been verified that the Transporter of the material is properly licensed for hauling off this material? Has it been verified that the Transporter of the material is properly licensed for hauling of this material? Manifests been clearly established? D. WORK AREA INSPECTION: Has all required preliminary work been completed and accepted to allow this DFW to start? Does the OB/OD meet OP5 standards E. MATERIAL AND EQUIPMENT INSPECTION: Are all required materials on hand (or scheduled for delivery to avoid schedule delays)? Is all material properly stored and protected, as applicable? No. No. No. No. No. No. No. No. No. No	Contract Number:		W91ZLK-13-D-0003 Task Order No:		0003		0003
DFW: MPPEH Inspection and MD Turn-In Spec Sect.	CAPE Proje	ect No.:	21003.003 Date:			9-1	<i>l</i> ar-17
Have all Parties related to the approval process for hauling offsite been contacted and have they approved disposal methods? Has it been verified that the Transporter of the material is properly licensed for hauling of this material? No material? Has the process/procedure for signing Waste Manifests been clearly established? D. WORK AREA INSPECTION: Has all required preliminary work been completed and accepted to allow this DFW to start? Does the OB/OD meet OP5 standards Are all required materials on hand (or scheduled delays)? Are all required materials on hand (or scheduled for delivery to avoid schedule delays)? Is all material properly stored and protected, as applicable? Is all material properly stored and protected, as applicable? F. REVIEW OF SAFETY REQUIREMENTS: Review approvate the been contacted and not should be now. No N	Project Loc	ation:	Ft. Bliss, TX		•		
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process for hauling offsite been contacted and have they approved disposal methods? Has it been verified that the Transporter of the material is properly licensed for hauling of this material? Has the process/procedure for signing Waste Manifests been clearly established? D. WORK AREA INSPECTION: Has all required preliminary work been completed and accepted to allow this DFW to start? Does the OB/OD meet OP5 standards Ves No			Have all Parties related to the a	pproval	Yes		
have they approved disposal methods? Has it been verified that the Transporter of the material is properly licensed for hauling of this material? Has the process/procedure for signing Waste Manifests been clearly established? D. WORK AREA INSPECTION: Has all required preliminary work been completed and accepted to allow this DFW to start? Does the OB/OD meet OP5 standards E. MATERIAL AND EQUIPMENT INSPECTION: Are all required materials on hand (or scheduled delays)? Is all material properly stored and protected, as applicable? Is all material properly stored and protected, as applicable? F. REVIEW OF SAFETY REQUIREMENTS: Review approriate AHAs to ensure safety requirements are met. Comments:				□ No	1		
material is properly licensed for hauling of this material? Has the process/procedure for signing Waste Manifests been clearly established? D. WORK AREA INSPECTION: Has all required preliminary work been completed and accepted to allow this DFW to start? Does the OB/OD meet OP5 standards Does the OB/OD meet OP5 standards Are all required materials on hand (or schedule delays)? Are all required materials on hand (or schedule delays)? Is all material properly stored and protected, as applicable? Is all material properly stored and protected, as applicable? F. REVIEW OF SAFETY REQUIREMENTS: Review approriate AHAs to ensure safety requirements are met. Comments:			have they approved disposal m	ethods?		1	
material? Has the process/procedure for signing Waste			Has it been verified that the Tra	nsporter of the	Yes		
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Manifests been clearly established?			material?		✓ N/A	1	
D. WORK AREA INSPECTION: Has all required preliminary work been completed and accepted to allow this DFW to start? No No No No No No No N			Has the process/procedure for	signing Waste	Yes		
D. WORK AREA INSPECTION: Has all required preliminary work been completed and accepted to allow this DFW to start? Does the OB/OD meet OP5 standards E. MATERIAL AND EQUIPMENT INSPECTION: Are all required materials on hand (or schedule delays)? Is all material properly stored and protected, as applicable? Is all material properly stored and protected, as applicable? Pres No No No No No No No No No N		✓	Manifests been clearly establish	ned?	□ No	1	
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E. MATERIAL AND EQUIPMENT INSPECTION: Are all required materials on hand (or scheduled delays)? Is all material properly stored and protected, as applicable? No			Does the OB/OD meet OP5 sta	ndards	✓ Yes		
E. MATERIAL AND EQUIPMENT INSPECTION: Are all required materials on hand (or scheduled delays)? Is all material properly stored and protected, as applicable? No	✓				□ No	1	
Are all required materials on hand (or scheduled for delivery to avoid schedule delays)? Sall material properly stored and protected, as applicable? No No No					N/A	1	
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scheduled for delivery to avoid schedule delays)? Is all material properly stored and protected, as applicable? No			·	nd (or	✓ Yes		
delays)? N/A	V			*		1	
			delays)?		 	1	
N/A Yes No N/A N/A			Is all material properly stored ar	nd protected,	✓ Yes		
N/A Yes No No N/A N/A N/	V		as applicable?		 □ No	1	
No No N/A					□ N/A	1	
F. REVIEW OF SAFETY REQUIREMENTS: Review approxiate AHAs to ensure safety requirements are met. Comments:					Yes		
F. REVIEW OF SAFETY REQUIREMENTS: Review approriate AHAs to ensure safety requirements are met.					 □ N∘	1	
F. REVIEW OF SAFETY REQUIREMENTS: Review approxiate AHAs to ensure safety requirements are met. Comments:						1	
F. REVIEW OF SAFETY REQUIREMENTS: Review approriate AHAs to ensure safety requirements are met. Comments:					Yes		
F. REVIEW OF SAFETY REQUIREMENTS: Review approriate AHAs to ensure safety requirements are met. Comments:					□N∘	1	
Review approriate AHAs to ensure safety requirements are met. Comments:					N/A	1	
Comments:	F. REVIE	W OF SAFE	TY REQUIREMENTS:			•	
			Review approriate AHAs to ens	ure safety requir	rements are me	<u>t.</u>	
			Comments:				
	V						
	J	J					



Contract N	umber:	W91ZLK-13-D-0003	Task Order No:		0003			
CAPE Proje	ect No.:	21003.003	Date:		9-Ma	ar-17		
Project Loc	ation:	Ft. Bliss, TX						
DFW:	MPPEH	Inspection and MD Turn-In	Spec Sect.		Drawing			
G. REVIE	W OF WOR	RK PERFORMANCE / TESTING	J / INSPECTION	REQUIREMEN	TS:			
✓		Discuss procedures to accomp	luding points of	control.				
✓		Review all safety and emergen						
		Review provisions that have been made to provide required quality control (check one)						
Subcontractor / Consultant								
		✓ QC Officer or another member of QC Team						
		3rd Party Inspection						
		Quality Control Testing:						
		Tests to be Performed:	3 tier QC proce	ss IAW Cape So	OP-2 MPPEH Pr	ocessing		
		Frequency of Tests:	As applicable					
		Testing by Whom:	Team Leader, U	JXOSO, and SL	ixos			
		When:	As applicable	applicable				
		Where:	On Site					
Has Testing Facility Been Approved?								
				∐ No				
		For Testing performed on site equipment and test methods submitted?	Yes No	N/A				

I hereby declare that: The above required materials delivered to the job site and methods and procedures are certified to fully comply with the project requirements.

Verify that portion of Work Plan for work to be performed has been accepted by the

Has Testing Equipment been calibrated

before use or calibration certificate been

provided before use?

Discuss the Initial Control Phase.

N/A

Yes

No

Quality Control Representative:

government.

4

Type of Work	Quantity	Comments
2300 01 11 0211	Quantity	
Surface Sweep Transect Linear ft		50% surface sweep of OB/OD 2, 7 acres
DGM Transect collected Linear ft	5,031	Completed transects in Area 2 and 3 of OB/OD 1
Point Anomalies Investigated ea.	NA	
Pit/Trench Anomalies Investigated ea.	NA	
Total Industrial debris recovered lbs	15	
Total Material Documented As Safes (MDAS) recovered today lbs	10	
Total MPPEH Recovered lb.	NA	
Muntions Identified		
MEC found today (ea)	32	See attached Mec accountability Log
MEC Turned over today (ea)	32	See attached DD 1348
		<u> </u>
Instructions Received From Customer Representative		

Daily Narrative

Arrived on site 0630, Safety brief conducted by Gerry Hills, 10 attendees. Site specific topics: MEC safety, Hydration, sun protection. 50% surface sweep of OB/OD 2. Completed DGM in area 2 and 3. Schedule for 3-13-2017, Complete surface sweep of OB/OD 2, Begin DGM of OB/OD 2. Begin soil sampling of the background area.



Weather:	3
Wind:	Max.
Max Wind Speed: 15 mph Weather Information Source: www.accuweather.com 1. Labor Summary - Contractor & Subcontractor Supervision and Craft Personnel onsite and Area of Responsibility: Number Name Hours Hours Employer Area of Responsibility	
1. Labor Summary - Contractor & Subcontractor Supervision and Craft Personnel onsite and Area of Responsibility: Cumulative	
Number Name Hours Hours Employer Area of Responsibility	
Number Name Hours Hours Employer Area of Responsibility	
LAPE Supervision	
2 (b) (6) 10.0 72.0 Cape UXOSO/UXOQC	
3 10.0 72.0 Cape TECH III	
4 (b) (6) 10.0 72.0 Cape UXO Tech II	
5 (b) (6) 10.0 72.0 Cape UXO Tech II 6 (b) (6) 10.0 72.0 Cape UXO Tech II	
7 10.0 72.0 Cape UXO Escort	
8 Subcontractor(s)	
9 (b) (6) 10.0 72.0 Parsons Field Technician	
10 (b) (6) 10.0 72.0 Parsons Site/Project Geophysicist	
Total Hours: 90.0 648.0	
Comments (List any Visitors to Project and purpose of Visit):	
2. Equipment (Not Hand Tools): shaded items indicate equipment that has been taken off rent and/or offsite	
2. Equipment (Not Hand Tools): shaded items indicate equipment that has been taken off rent and/or offsite	Hours
	Hours Repair
Departure Date of Last Days on Hours Hours	
Departure Date of Last Days on Hours Hours	
Description (Make and Model Number) Arrival Date Departure Date Date of Last Check Days on Rent Plant Hours Idle Chevy Silverado- White - Cape 3/3/2017 03/10/17 7 4 4 Chevy Silverado- Black - Cape 3/3/2017 03/10/17 7 4 4 Nissan Titan 4x4 - Parsons 2/28/2017 03/10/17 10 5 3	
Description (Make and Model Number) Arrival Date Departure Date Date of Last Check Days on Rent Days on Idle Hours Idle Chevy Silverado- White - Cape 3/3/2017 03/10/17 7 4 4 Chevy Silverado- Black - Cape 3/3/2017 03/10/17 7 4 4 Nissan Titan 4x4 - Parsons 2/28/2017 03/10/17 10 5 3 Dodge Ram 2500 ProMaster Van - Parsons 2/28/2017 03/10/17 10 5 3	
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Description (Make and Model Number) Arrival Date Departure Date Date of Last Check Days on Rent Days on Rent Place Hours Idle Chevy Silverado- White - Cape 3/3/2017 03/10/17 7 4 4 Chevy Silverado- Black - Cape 3/3/2017 03/10/17 7 4 4 Nissan Titan 4x4 - Parsons 2/28/2017 03/10/17 10 5 3 Dodge Ram 2500 ProMaster Van - Parsons 2/28/2017 03/10/17 10 5 3 Cushman Hauler ATV (171478 - Cape) 3/3/2017 03/10/17 7 8 0 Cushman Hauler ATV (168809 - Parsons) 3/1/2017 03/10/17 9 8 0 RTK GPS 2/28/2017 03/10/17 10 8 0	
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Description (Make and Model Number)	Repair
Description (Make and Model Number) Description (Make and Model Number) Description (Make and Model Number) Chevy Silverado- White - Cape 3/3/2017 Chevy Silverado- Black - Cape 3/3/2017 Nissan Titan 4x4 - Parsons Dodge Ram 2500 ProMaster Van - Parsons Cushman Hauler ATV (171478 - Cape) 3/3/2017 Cushman Hauler ATV (168809 - Parsons) RTK GPS EM61 Towed Array Departure Date of Last Days on Rent Used Idle O3/10/17 7 4 4 4 1 1 1 1 1 1 1 1 1 1	Repair
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Daily Rep	ort Number:		21003-00	03/008	DAY	F r iday	Date:	Ma	arch 10, 2017	
4 Three F	Phase Contro	l Activities	Performed	1.						
4. 1111001	nasc contro	Hourides	T CITOTITICS	•		Meetings	/ Inspection	ns Completed		
	Definable	Features o	f Work (DF	W)	 					
_	TR # - 1- 11: 4:					ratory		tial	Follow-up	
8	Mobilization 8		epa r ation)1/17	03/03/17	
b	Vegetation R				02/28/17 03/0				Task Complete 3-1 03/08/17	
c DGM Operations d Surface MEC Clearance					02/28/17 03/0			01/17	03/07/17	
e Munitions Debris Removal and Disposal								01/17	03/08/17	
f	MPPEH Insp			0341				0/17	03/00/17	
a	Soil Sampling				03/1		03/1	10,17		
h	Anomaly Rea				33,1	3711				
i	Subsurface A		estigation							
j	Demobilizatio									
						-				
	erformed an		ults:							
Laborate	ory Analytica	l Testing:								
Type o	f Sample	Sampl	le Date	Matrix	Sample ID No.	Analyses Red	quested	С	omments	
	nical and Ma									
Т	ype of Testin	g Performe	ed	Test Date	Res	ults of Testing		C	omments	
Field Sc										
Т	ype of Testin	g Performe	ed	Test Date	Results of Testing			Comments		
Comme	nts:									
	tions Perform				e				(I (/B : //	
Are	a / Work Elen	nent Inspe	cted	Location	of Inspection on I	Project Site	Inspe	ction Results	(Accept / Reject)	
7 Materia	I Danaivad:	(Note Inch	action racu	ilts and storage	nrovidad\					
). Materia	i Neceived.	(More map	i eculoiri esc	ilis and storage	provided			Inspection		
								Results		
			Unit of		Cumulative			(Accept or	Complies with Buy	
Item	Descri	ption	Measure	Daily Quantity	Quantity	Storage Pro	vided	Reject)	American Act	
а	None							, ,	Yes No	
b	14010								Yes No	
						1			Yes No	
C										
d									Yes No	
О Т		Diameral	£ 1 : = , : - d =	Dalida Barrat I	de Otaal, and O					
					ole Steel, and Gov	ernment Propert	y:			
	ardous Tran				T-1-1	T	4	T 5:		
	te Type	Daily	Volume	Cumula	ative Total	Transpo	τer	Dis	posal Facility	
N	lone									
Reguelal	ble Material T	Franchortof	ion and Ma	nagement						
	rial Type		Volume		ative Total	Transas	ter	D	alvina Eacility	
		Dany	voluille	Cumula	TIME IOISI	Transpo	rei	Rec	eiving Facility	
- N	lone			1				+		



Daily Rep	ort Number:		21003-0003/008	DAY	Friday	Date:		March 10, 20	17
				•		-	"		
9 Joh Sa	fetv: (List ite)	ms checke	ed, results, instruction	s and corrective ac	ctions taken)				
	ons Conducte		, 100 u.o., 110 u.o.		anomo danton,				
Personal P			First Aid Kits		T	1	П		
Vehicles	FE	X	Electrical Cords	X		+			
Fire Exting	uichore	X	Liectrical Colus	^		+			
				demonad or compr	emicad caulama	nt oto	<u> </u>		
		/ioialions,	corrective measures,	uamageu or compr	omisea equipme	ini, etc.			
	None								
b									
С									
d									
e									
f									
g			. ,	1)					
			summarize topics disc						
Slips, Trips	s and Falls, Pro	oper Lifting	Techniques, Vehicle S	afety, Hydration, We	ekend Safety				
Were all	activities cor	nducted in	accordance with EM	385-1-1?	X YES				
			ved or given. Conflict						
Because M	IEC was found	I in OB Site	e 2, it was determined p	rudent to conduct a s	surface sweep of t	the site. With	10' spacing	g of the transect	lines
it is quicke	r to sweep the	entire site	as opposed to marking	individual lanes. Thi	is process will inc	ur only a few l	hours delay	in production.	
11. Plann	ed Activities:	(List anti	cipated field activities	for next day of wor	k)				
Complete s	surface sweep	of OB Site	2						
Begin DGN	A data collection	on of OB S	ite 2						
Begin soil:	sampling								
12. Safety	/ Hours:								
Daily saf	ety hours inclu	ding CAPE	and Subcontractors:	90.0	Number of On	-site Workda	/s:		8
	ive safety hour			648.0	Calendar Days				11
Cumulati	vo carety ricar	o to dato.		0.10.0	Caloridai Bay	o on loo otal t	or vvoin.		
Contracto	r's Verificatio	n: On beh	alf of the Contractor, I o	ertify that this report	is complete and o	correct and al	II materials	and equipment i	ised
and work n			orting period are in com						
excep (b)	onomioa aam	ig tillo ropi	orang ponou are ar com	phanee war are cona	act plane and ope	Jointoutiono, to	500: 0	my knomougo,	
(b) (6)								
							1	0-Mar-17	
					_			Date	
								Date	
							4	O Mor 17	
					_		1	0-Mar-17	
								Date	
					_		1	0-Mar-17	
								Date	



320-1 SITE CONTROL LOG (SCL)

Contract Number:	W91ZLK-13-D-0003	Task Order No:	0003
CAPE Project Number:	21003.003	Date:	March 10, 2017
Project Location:	Ft.Bliss, TX		
Project Description:	RI at Biggs OB/OD Site I and SI at Biggs	s OB Site II	

Til	ME		
IN	OUT	(b) (6)	ORGANIZATION
0630	1700		CAPE
0630	1700		CAPF
0630	1700		Panon
0630	1700		PUTIONS
0639	1700		CAPE
2632	1700		(Ang
0630	1700		CAPE
0630	1700		Cq.2e
0630	1700		Cycl
0630	1700		Cyrl Cyrl USACE
	:		
	<u></u>		
	<u> </u>		
			<u></u>

CAPE Form 320-1, Revised January, 2009



TAILGATE SAFETY MEETING RECORD

Day / Date: Friday, March 10, 2017 Time: 0630

Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB

Site II

Project Number: W91ZLK-13-D-0003

Client: Ft. Bliss Location: Ft. Bliss, Texas

Specific Location: Biggs AAF, Texas

Work Description: Surface Clearance, DGM Operations

Comments:

SAFETY TOPICS PRESENTED

Protective Clothing / Equipment: PPE Level D.

Chemical Hazards: SDS on file with UXOSO

Physical Hazards:

Slips, trips and falls.

Weekend safety

3. Vehicle Safety

Emergency Procedures: Notify SUXOS and UXOS immediately. Emergency medical assistance is requested through Base Operations Radio.

Emergency Hospital: William Beaumont Army Medical Center

Hospital Telephone: (915) 742-2121

Hospital Directions: Copy in each vehicle

Special Equipment:

Other: HYDRATE!

1. Allergies.

2. Good Housekeeping and hygiene.

3. Report all injuries to UXOSO, no matter how small they may be,

(6)

MEC Accountability Log Inventory of Munitions Recovered from OB/OD Site 1 and OB Site 2, Biggs AAF, Ft. Bliss, Texas

			, , , , , , , , , , , , , , , , , , , ,		MEC Accountability Log	, ,	<u>, , , , , , , , , , , , , , , , , , , </u>	,		
			Suspect MEC		, ,		Quantity	Item Safe to		
Item Number	Date Recovered	Location	Sheet Number	Depth	Description of Item	Condition	Recovered		Date of Disposal	Comments
1	3/10/2017	OBOD Site 1, Area 1	1	0	37mm Projectile, M54	Unfired	1	Yes	3/10/2017	Turned over to 734 EOD
2 - 6	3/10/2017	OBOD Site 1, Area 1	2	0	37mm Projectile, T324E23	Unfired	5	Yes	3/10/2017	Turned over to 734 EOD
7	3/10/2017	OB2	3	0	40mm Projectile, Mk2	Fired	1	Yes	3/10/2017	Turned over to 734 EOD
8 - 26	3/10/2017	OBOD Site 1, Area 1	4	0	20mm Cartridge, TP, M99	Unfired	19	Yes	3/10/2017	Turned over to 734 EOD
27	3/10/2017	OBOD Site 1, Area 1	5	0	37mm Projectile, M54	Unfired	1	Yes	3/10/2017	Turned over to 734 EOD
28	3/10/2017	OBOD Site 1, Area 1	6	0	Bulk HE (~1 pound)	N/A	1	Yes	3/10/2017	Turned over to 734 EOD
29	3/10/2017	OBOD Site 1, Area 1	7	0	20mm Projectile, HEI, M97	Unfired	1	Yes	3/10/2017	Turned over to 734 EOD
30	3/10/2017	OBOD Site 1, Area 1	8	0	Tracer for 37mm T324E23	N/A	1	Yes	3/10/2017	Turned over to 734 EOD
31 - 32	3/10/2017	OBOD Site 1, Area 1	9	0	20mm Projectile, HEI, M97	Unfired	2	Yes	3/10/2017	Turned over to 734 EOD
						Total	32			



SUSPECT MEC DISCOVERY LOG SHEET

Item Number: 7	Item Description: 40mm Projectile, HE, MkII
Quantity:	1
Fuze Information:	Mk 27 PD
Filler Composition:	0.15 lbs. TNT
Found Where:	OB2
GPS Location:	31°51′ 46.3290″ 106° 22′ 9.172″
Found When:	March 10, 2017
Found By Whom:	Team 1, Temple Coffindaffer
Condition Verified By:	George Payne, SUXOS
Date/Time RCO Notified:	March 10, 2017, 0945
Individual Contacted:	Ronald Baca, Environmental Scientist, PWE Environmental Division
Date Item Transferred to EOD for Destruction:	March 10, 2017

INSERT PHOTO(s):





Contract Number:		W91ZLK-13-D-0003	Task Order No:		0003	
CAPE Project No.:		21003.003	Date:		10-Mar-17	
Project Location:		Ft. Bliss, TX				
DFW:	W: Soil Sampling		Spec Sect.		Drawing	

1. PREPARATORY PHASE INSPECTION / MEETING ATTENDEES:							
	(b) (6)	POSITION	COMPANY / CLIENT				
1		SUXOS	Cape				
2		UXOSO/UXOQC	Cape				
3		Field Technician	Parsons				
4		Geophysicist	Parsons				
5		UXO Tech III	Cape				
6		UXO Tech II	Cape				
7		UXO Tech II	Cape				
8		UXO Tech II	Cape				
9		UXO Escort	Cape				

2. PREPARATORY PHASE INSPECTION CHECKLIST:									
A. DOCU	A. DOCUMENT REVIEW:								
Done	N/A	Description	Results	Action Items					
✓		Review each applicable sections of the Work Pl	an						
✓		Review all applicable Standard Operating Proce	dures.						
7		Review Explosive Safety Submittal (ESS).							
B. SUBN	IITTAL STA	TUS REVIEW:							
<u>Review</u> and app		ttal requirements to ensure that all materials and	/or equipment h	ave been tested, submitted,					
√		Have all materials been submitted, tested, and approved?	✓ Yes						
~		Has all equipment been submitted, tested, and approved?	✓ Yes						
C. OFFS	TE DISPOS	SAL OF MATERIALS:							
	V	Have all materials for disposal offsite been sampled and properly characterized for disposal?	Yes No N/A						
	V	Have Landfills been contacted and received copy of waste characterization results?	Yes No N/A						



Contract Number:		W91ZLK-13-D-0003	Task Order No:		0003	
CAPE Proje	ect No.:	21003.003	Date:		10-	Mar-17
Project Loc	ation:	Ft. Bliss, TX			•	
DFW:		Soil Sampling	Spec Sect.		Drawing	
					<u> </u>	
		Have all Parties related to the a	pproval	Yes		
	✓	process for hauling offsite been		□N∘	┪	
		have they approved disposal m	ethods?	✓ N/A	┪	
		Has it been verified that the Tra	nsporter of the	Yes		
	✓	material is properly licensed for	•	□ res	┪	
	ŭ	material?		N/A	+	
		Has the process/procedure for	signing Waste	Yes	+	
	✓	Manifests been clearly establish		□ No	┥	
	$\overline{\Box}$				4	
D 14(0D)	(ADEA ING	L. C.		✓ N/A		
D. WORK	AREA INS				-	
		Has all required preliminary work been completed and accepted to allow this DFW to start?		✓ Yes	4	
✓				∐ N∘	4	
			Annual Committee on the second of the second			
_		Are all required Permits received and on file on the jobsite and/or properly posted?		✓ Yes	_	
✓				∐ No	_	
				□ N/A		
E. MATE	RIAL AND E	EQUIPMENT INSPECTION:			_	
		Are all required materials on hand (or		✓ Yes		
✓		scheduled for delivery to avoid	schedule	□ No		
		delays)?		□ N/A		
		Is all material properly stored ar	nd protected,	✓ Yes		
✓		as applicable?		N∘		
				□ N/A	7	
		Are all pieces of equipment or n	nodules on	✓ Yes		
✓		hand (or scheduled for delivery	to avoid	□ No	7	
		schedule delays)?	ľ	□ N/A	1	
		Is all equipment or modules pro	perly stored	✓ Yes		
/		and protected, as applicable?	ľ	□N∘	1	
			ľ	N/A	7	
F. REVIE	W OF SAFE	TY REQUIREMENTS:		_	•	
		Review appropriate AHAs to en	sure safety requ	irements are n	net.	
		Comments:				
$\overline{\checkmark}$		All Personnel read and signed	d the AHA			
ŭ						
		Ī				



Contract Number:		W91ZLK-13-D-0003	Task Order No:		0003	
CAPE Project No.:		21003.003	Date:		10-Mar-17	
Project Loc	ation:	Ft. Bliss, TX				
DFW:		Soil Sampling	Spec Sect.		Drawing	

G. REVIE	W OF WO	RK PERFORMANCE / TESTING	3 / INSPECTION	REQUIREMENTS:		
✓		Discuss procedures to accomp	Discuss procedures to accomplish the work, including points of control.			
✓		Establish construction tolerance	Establish construction tolerances and workmanship standards for this DFW.			
		Review provisions that have be one)	en made to prov	ride required quality control (check applicable		
✓		Subcontractor / Consultant				
1		QC Officer or another member o	of QC Team			
		3rd Party Inspection				
		Quality Control Testing:				
1		Tests to be Performed:	IAW UFP-QAPP Worksheet#28			
1		Frequency of Tests:	One time per location defined in UFP-QAPP			
		Testing by Whom:	Accutest Lab - SE			
		When:				
1		Where:	On Site			
✓		Has Testing Facility Been Appro	oved?	✓ Yes No		
1		_		✓ Yes		
		For Testing performed on site,		No No		
		equipment and test methods be	∍en submitted?	No		
		Has Testing Equipment been ca	alibrated before	✓ Yes		
		use or calibration certificate bee		□No		
		before use?				
V		Verify that portion of Work Plan government.	ı for work to be p	performed has been accepted by the		
✓		Discuss the Initial Control Phas	e.			

I hereby declare that: The above required materials delivered to the job site and methods and procedures are certified to fully comply with the project requirements.

Quality Control Representative:

λn	nalysis		
le l	ld On: 3-10-17-		,
1	Print:	21.	Print:
A.	Sign:		Sign:
2	Print:	22.	Print:
	Sign:	22.	Sign:
3.	Print:	23.	Print:
3	Sign:	23.	Sign:
4.	Print:	24	Print:
4.	Sign:	24	Sign:
5.	Print:	25.	Print:
٥.	Sign:	25.	Sign:
6.	Defeate	26.	Print:
0.	Sign:	20.	Sign:
7.	Print:	27.	Print:
7.	Sign:	21.	Sign:
8.	Print:	28.	Print:
0.	Sign:	20.	Sign:
9.	Print:	29.	Print:
۶.	Sign:	29.	Sign:
	Print:	30.	Print:
ν.	Sign:	30.	Sign:
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	· · · · · · · · · · · · · · · · · · ·		



320-6 INITIAL PHASE INSPECTION / MEETING

Contract Number:		W91ZLK-13D-003	Task Order No:		003	
CAPE Project No.:		21003.003	Date:		10-Mar-17	
Project Location: Ft. Bliss, TX						
DFW:	MPPEH	Inspection and MD Turn In	Spec Sect.		Drawing	

1. INITIAL	1. INITIAL PHASE INSPECTION / MEETING ATTENDEES:						
	(b) (6)	POSITION	COMPANY / CLIENT				
1		suxos	Cape				
2		UXOSO/UXOQC	Cape				
3		UXO Tech III	Cape				
4							
5							
6							
Was Clier	nt Representative notified?		Yes Vo				

2. INITIAL	PHASE INS	PECTION CHECKLIST:			
	RALITEMS				
Done	N/A	Description	Results	Action	ı Items
✓		Check preliminary work and review minutes of t	he Preparatory I	Inspection / Mee	ting.
✓		Check that materials and equipment being used	d comply with pro	oject requiremer	nts.
✓		Check the work to ensure it is full compliance w	ith the project re	equirements.	
B. CONT	ROLS TO A	ASSURE FULL COMPLIANCE:			
		Controls		Testing	
		✓ QC Officer Observations	Checked Testi	ng procedure	
✓		Qualified Inspector	Checked Instr	umentation Calibrat	ion
		3rd Party Inspection & Testing	Checked recor	ding Forms & Track	ing ID No.
		Other,	✓ None		
C. ESTA	BLISH LEV	EL OF WORKMANSHIP:			
		Work Location: OBOD Site 1			
✓		Is a sample panel required?		Yes	✓ No
		ls initial work considered as a sample?		Yes	✓ No
✓		Check for omissions and resolve any difference representative.	es or interpretation	ons with the gov	ernment/client
V		Check safety to include compliance with Safety Activity Hazard Analyses.	Plan and Activit	y Hazard Analys	ses. Review the
		Were procedures and work methods	✓ Yes		
✓		witnessed in strict compliance with project	□N∘		
		requirements?			
		Is a re-inspection required?	Yes		
✓			✓ No		
D. BRIEF	SUMMARY	Y OF INITIAL INSPECTION PROCEDURE AND	RESULT, POIN	TS OF CONCE	RN, ETC.:
All work/pr	ocedures o	bserved were safely conducted and IAW with	n project docun	nents.	
		-			



320-6 INITIAL PHASE INSPECTION / MEETING

Contract Number:		W91ZLK-13D-003	Task Order No:		003	
CAPE Project No.:		21003.003	Date:		10-Mar-17	
Project Location: Ft. Bliss, TX						
DFW: MPPEH Inspection and MD Turn In		Spec Sect.		Drawing		

	(b) (6)
Quality Control Representative:	

ACTIVITY HAZARD ANALYSIS, Motorial Retentially Pro	ecenting an Explosive Hazard (MDDEU) Inche	tion a	nd Munition Debrie (MD) Turn In
b) (6)	Id On: March 9, 2017	Juon a	ing manifical Depths (mp) 1 at 11-111
11	Print:	21.	Print:
	Sign:		Sign:
12	Print:	22.	Print:
	Sign:		Sign:
13	Print:	23.	Print:
13	Sign:	23.	Sign:
14	Print:	24	Print:
17	Sign:	127	Sign:
15	Print:	25.	Print:
13	Sign:	25.	Sign:
16	Print:	26.	Print:
10	Sign:	20.	Sign:
17	Print:	27.	Print:
17	Sign:		Sign:
18	Print:	28.	Print:
18	Sign:	20.	Sign:
19	Print:	29.	Print:
19	Sign:	L 23.	Sign:
20	Print:	30.	Print:
20	Sign:	30.	Sign:

AHA Review Conducted By: UX050			
Print(b) (6)	1		
Sign	·····	 	· · · · · · · · · · · · · · · · · · ·



MAGNETOMETER/METAL DETECTOR CHECK SHEET

SITE: Biggs AAF		CONTRACT: W91ZLK-13-D-0003 TASK ORDER#: 0003 TEAM LEADER: Temple Coffindaffer					
TEAM#: 1	TEAM LEAL						
INSTRUMENT T	TYPE: Schonstedt SERIAL	#: 1 5369 4					
DATE	OPERATIONAL CHECK	AM	PM	REMARKS			
3-6-17	IVS Function Check			NOWSTER			
3-7-17	IVS Function Check	PASS	AA55				
3-8-17	IVS Function Check	P1 55	p.155				
3-9-17	IVS Function Check	PA55	PA 55				
3-10-17	IVS Function Check	PA55	N7 55				



SITE: Biggs AAF	OB/OD Site 1 and OB Site 2 CONTRACT: W91 TASK ORDER#: 00			
TEAM#: 1	TEAM LEADER: Temple	e Coffindaffer		
INSTRUMENT T	YPE: Schonstedt SERIAL#: 297275			
DATE	OPERATIONAL CHECK	АМ	PM	REMARKS
3-6-17	IVS Function Check			NE WERK
3-7-17	IVS Function Check	P.7155	pA55	
3-8-17	IVS Function Check	PA55	PA55	
3-9-17	IVS Function Check	PASS	P.A55	
3-10-17	IVS Function Check	PAS5	PA55	
				· · · · · · · · · · · · · · · · · · ·

CAPE

29 April, 2013 Revision: 00



SITE: Biggs AAF	OB/OD Site 1 and OB Site 2	CONTRACT: W91ZLK- TASK ORDER#: 0003	13-D-0003		
ГЕАМ#; 1	Т	EAM LEADER: Temple Coff	findaffer		
INSTRUMENT T	YPE: Fisher All-Metals	SERIAL#: 041406891			
DATE	OPERATIONAL CHECK		AM	РМ	REMARKS
3-6-17	IVS Function Check			_	NEWERK
3-7-17	IVS Function Check		PA55	AA53	
3-8-17	IVS Function Check		PA35	PA55	
3-9-17	IVS Function Check		12955	PA55	
3-10-17	IVS Function Check		PASS	PA55	

CAPE

29 April, 2013 Revision: 00



MAGNETOMETER/METAL DETECTOR CHECK SHEET

SITE: Biggs AAF	OB/OD Site 1 and OB Site 2 CONTRACT TASK ORDE	: W91ZLK-13-D-0003 R#: 0003						
TEAM#: 1 TEAM LEADER: Temple Coffindaffer								
INSTRUMENT T	YPE: Schonstedt SERIAL#: 29	7276						
DATE	OPERATIONAL CHECK	AM	РМ	REMARKS				
3-6-17	IVS Function Check	_	_	AT WITH				
3-7-17	IVS Function Check	PASS	A455					
3-8-17	IVS Function Check	PA55	PASS					
3-9-17	IVS Function Check	P.955	PA55					
3-10-17	IVS Function Check	0.465	PASS PASS					
-								

CAPE

29 April, 2013 Revision: 00



MAGNETOMETER/METAL DETECTOR CHECK SHEET

SITE: Biggs AAF OB/OD Site 1 and OB Site 2 CONTRACT: W91ZLK-13-D-0003 TASK ORDER#: 0003 TEAM LEADER: Temple Coffindaffer TEAM#: 1 SERIAL#: 282306 INSTRUMENT TYPE: Schonstedt DATE **OPERATIONAL CHECK** AM PM REMARKS 3-6-17 **IVS Function Check** NE WORK **IVS Function Check** P.455 PASS 3-7-17 DASS MA55 **IVS Function Check** 3-8-17 PASS PASS **IVS Function Check** 3-9-17 1459 **IVS Function Check** PASS 3-10-17

CAPE



MAGNETOMETER/METAL DETECTOR CHECK SHEET

	TASK ORDER#:	0003							
TEAM#: 1 TEAM LEADER: Temple Coffindaffer INSTRUMENT TYPE: Schonstedt SERIAL#: 155270									
3-6-17	IVS Function Check			ro work					
3-7-17	IVS Function Check	PASS	PA55						
3-8-17	IVS Function Check	PAS5	PA55						
3-9-17	IVS Function Check	PAS5	PA 55						
3-10-17	IVS Function Check	P.455	P.455						

CAPE

Date 3/13/2017	Ft Bliss Biggs Airfield DAILY SUMMARY

Type of Work	Quantity	Comments
		1000/ 1 100/00 0 7
Surface Sweep Transect Linear ft		100% surface sweep of OB/OD 2, 7 acres
DGM Transect collected Linear ft	4,000	OB/OD 2
Point Anomalies Investigated ea.	NA	
Pit/Trench Anomalies Investigated		
ea.	NA	
Total Industrial debris recovered lbs	2,600	
Total Material Documented As Safes (MDAS) recovered today lbs	NA	
Total MPPEH Recovered lb.	212	
Total MPPEH Recovered lb.	NA	
Muntions Identified		
MEC found today (ea)	NA	
MEC Turned over today (ea)	NA	
Instructions Received From		
Customer Representative		

Daily Narrative

Arrived on site 0630, Safety brief conducted by Gerry Hills, 10 attendees. Weekly Safety: Ladder safety. Site specific topics: MEC safety, Hydration, sun protection. Completed surface sweep of OB/OD 2. Began DGM in OB/OD 2, collected soil samples in OB/OD 1 area 1: SU1, SU2, SU3. Schedule for 3-14-2017, continue DGM of OB/OD 2 and soil sampling.



Daily Rep	oort Number:	21003-000	3/009	DAY	M onday	Date:		Mar ch 13, 2 0	17
Duning A.T.	:41	Di et Diese AAE (OBJOD Cit- 4		AE OD Cita II	Caustum at N	1	141047LIZ	40 D 0000
Project Ti	itie:	RI at Biggs AAF (Ft Bliss, T	id Si at biggs AA exas	AF OB Site II	Contract N Task Orde	-	00 00	13-D-0003 103
L							.		
Weather:	✓ Clear	Partly Cloudy	☐Cloudy		Temperature:	50°F	Min.	83°F	Max.
Wind:	☐ Calm	✓Breeze	₩indy	Precipitation	: Rain	0	Snow	0	
Max Wind	d Speed:	15 mph		Weat	ther Information S	Source:	www.accuv	weather.com	
1. Labor	Summary - Co	ntractor & Subcontra	ctor Supervisio			d Area of Re	sponsibility:		
Number		Nama	Hours	Cumulative Hours	Employer		Avec of De		
	I I Supervision	Name	Hours	Hours	Employer		Area of Re	sponsibility	
1	(b) (6)		10.0	82.0	Cape	T	SU	XOS	
2			10.0	82.0	Cape			//U X OQC	
3	<u> </u>		10.0	82.0	Cape		TEC	CH III	
			10.0	1 02.0	Oona I	<u> </u>	LIVO	Tash II	
<u>4</u> 5	┥┝		10.0 10.0	82.0 82.0	Cape Cape			Tech II Tech II	
6	┥┝┫		10.0	82.0	Cape Cape			Tech II	
7	┥┝┫		10.0	82.0	Cape	+		Escort	
8					3353				
Subcon	itrac								
9			10.0	82.0	Pa r sons			echnician	
10			10.0	82.0	Parsons			Geophysicis	t
11	++	-	10.0 100.0	10.0 7 4 8.0	Pa r sons	-	Field Le	echnician	
Comme	ents	20	purpose of Vis						
Commo			parpood or tro	,,,,					
2 Equip	ment (Not Han	d Tools): shaded iten	ne indicate equ	inment that has	haan takan off re	nt and/or of	Foita		
z. Equipi	ment (Not Han	d 10013/. Siladed itel	III III III III III III III III III II	Departure	Date of Last	Days on	Hours	Hours	Hours
Descri	ntion (Make an	nd Model Number)	Arrival Date	Date	Check	Rent	Used	Idle	Repair
	verado- White -	,	3/3/2017		03/13/17	10	4	4	H
	verado- Black -		3/3/2017		03/13/17	10	4	4	
	an 4x4 - Pa r sor		2/28/2017		03/13/17	13	5	3	
		ster Van - Parsons	2/28/2017		03/13/17	13	5	3	
	Hauler ATV (1)		3/3/2017		03/13/17	10	8	0	l
		68809 - Parsons)	3/1/2017		03/13/17	12	8	0	l
RTK GPS			2/28/2017		03/13/17	13	8	0	l
EM61 Tov	ved Array table Array		2/28/2017 3/13/2017		03/13/17 03/13/17	13	8	8	I ├ ──
Comme			3/13/2017		03/13/17	'		_	ш
Comme	nts.								
		lay: (Indicate location	and description	on of work perfo	ormed by CAPE a	nd/or Subco	ntractors. V	Vhen networ	rk analysis
		<mark>y activity number)</mark> ırface s w eep of OB Site	2 40mm MI-2	found Fridoves	rac only MEC MOD	ELL or MDAS	found		
a b		data collection of OB Site				LI UI WIDAS	riouriu.		
С		samples from Site 1, A							
ď	3223.00.00								
e									



Daily Rep	ort Number:		21003-00	03/009	DAY	M onday	Date:	Ma	a r ch 13, 2 017
									·
4. Three I	Phase Contro	ol Activities	Performe	d:					
						Meeting	s / Inspectio	ns Completed	
	Definable	Features o	t Work (DF	·w)	Pro	Preparatory In			Follow-up
а	Mobilization	and Site Pro	-na r ation			2/28/17		01/17	03/03/17
b	Vegetation F		sparation			2/2 8 / 17		01/17	Task Complete 3-1
C	DGM Operat					2/2 8 / 17		01/17	03/08/17
d	Surface ME(2/2 8 / 17		01/17	03/07/17
е	Munitions De					2/2 8 / 17		01/17	03/08/17
f	MPPEH Insp					3/09/17		10/17	
g	Soil Samplin Anomaly Re		/SIS		 	3/10/17	03/	13/17	
<u>h</u> i	Subsurface A		estination						
i	Demobilizati		oungunon						
	•				· •		_	<u> </u>	
	Performed ar		ults:						
	ory Analytica								
	of Sample		le Date	Sample ID No		s Requested	Date Ser	nt to Lab	Comments
Incr	em ental	03/1	3/17	SU1, SU2, SU:	3 IAW WP	Worksheet #18			
					+				
					1			i	
Comme	nts:								
6. Inspec	tions Perforr	ned and Ins	spection R	esults:					
	a / Work Eler				of Inspection o	n Project Site	Inspe	ction Results	(Accept / Reject)
	QC of su r fa				OB Site 2	•	<u> </u>	Acce	
2 blind	d seeds plante		overed						'
		(B.1. 4. 1.							
7. Wateria	al Received:	(Note Insp	ection resu	ılts and storage	provided)			Inspection	
								Results	
			Unit of		Cumulative			(Accept or	Complies with Buy
Item	Descri	iption	Measure	Daily Quantity	Quantity	Storage Pi	rovided	Reject)	American Act
а	None				-				☐Yes ☐No
b									Yes No
C									Yes No
d									Yes No
	•								
8. Transp	ortation and	Disposal o	f Liquids,	Solids, Recyclab	ole Steel, and C	Government Prope	rty:		
Non-Ha	zardous Tran			sal					
Was	te Type	Daily	Volume	Cumula	itive Total	Transp	orter	Dis	posal Facility
1	None								
						1			
Doggan	bla Metaviel'	Tropos est -	ion and M	annaam eet					
	ble Material '		Volume		tive Total	Transp	orter	Do-	eiving Facility
	rial Type None	Daily	FOIGITIE	Cumura	mive rotar	Transp	01161	Red	erving racility
'	10116			+		+		+	
				1		1			



Daily Rep	ort Number:		21003-0003/009		DAY	Monday		Date:		March 13, 201	17
9. Job Sa	fetv: (List ite	ms checke	d, results, instructions	. and	corrective ac	tions taken)					
	ons Conduct		.,	,							
Personal P		X	First Aid Kits		Χ	I		1	II .	1	
Vehicles	ГL	X	Electrical Cords		X				1		
	uioboro	X	Electrical Colus		^			-			
Fire Exting				. —		L					
		violations,	corrective measures,	damag	jed or compro	omised equipn	nent	, etc.			
а	None										
b											
С											
d											
е											
f											
g											
·	ilnate Safety	Mooting: (s	summarize topics disci	leepd'							
			Techniques, Vehicle Sa			nore along road	o in a	dark aanditi	iono		
Slips, Trips	s and Falls, Pi	oper Litting	recririques, veriicie Sa	пету, г	iyarallori, Jogg	gers along road	SIII (uark conditi	IONS		
Were all	activities co	nducted in	accordance with EM 3	85-1-1	?	X YES					
10. Rema	rks: (Instruc	tions recei	ved or given. Conflicts	in Pl	ans and/or Sp	ecifications.	Dela	vs encoun	tered)		
	,				•						
44 Diana	a al . A a 4 i i 4 i a a .	/I int auti									
			cipated field activities	or nex	kt day of work	()					
	e 3 of Area 1										
	DGM data coll	lection of O	B Site 2								
Continue s	soil sampling										
12. Safety	Hours:										
		ıdina CAPE	and Subcontractors:		100.0	Number of C)n-sit	te Workday	/S·	T	9
	ve safety hou		and Cabcontractors.		748.0	Calendar Da					14
Cumulati	ve salety flou	is to date.			740.0	Calcilual Da	iyo o	ince Start C	JI VVOIK	•	14
and work p		ng this repo	alf of the Contractor, I conting period are in comp								used
										13-Mar-17	
										Date	
										13-Mar-17	
						•				Date	
										Date	
										13-Mar-17	
										Date	



TAILGATE SAFETY MEETING RECORD

Day / Date: Monday, March 13, 2017 Time: 0630

Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB
Site II
Project Number: W91ZLK-13-D-0003

Client: Ft. Bliss Location: Ft. Bliss, Texas

Specific Location: Biggs AAF, Texas

Work Description: Surface Clearance, DGM Operations

Comments:

SAFETY TOPICS PRESENTED

Protective Clothing / Equipment: PPE Level D.

Chemical Hazards: SDS on file with UXOSO

Physical Hazards:

1. Slips, trips and falls.

2. Ladders (Corporate Topic)

3. Vehicle Safety

Emergency Procedures: Notify SUXOS and UXOS immediately. Emergency medical assistance is requested through Base Operations Radio.

Emergency Hospital: William Beaumont Army Medical Center

Hospital Telephone: (915) 742-2121

Hospital Directions: Copy in each vehicle

Special Equipment:

Other: HYDRATE!

1. Allergies.

- 2. Good Housekeeping and hygiene.
- 3. Report all injuries to UXOSO, no matter how small they may be.

b) (6)



320-1 SITE CONTROL LOG (SCL)

Contract Number:	W91ZLK-13-D-0003	Task Order No:	0003
CAPE Project Number:	21003.003	Date:	March 13, 2017
Project Location:	Ft.Bliss, TX		
Project Description:	RI at Biggs OB/OD Site I and SI at Biggs OB	Site II	

TI	WE		
IN	OUT	NAME	ORGANIZATION
0630	1700	(b) (6)	Cape
6630	1700		GARE
0630	1700		CAPE
0633	1700		CUPE
6630	1700		Puron)
0630	1700		CAPE
0630	1700		CADE
86 30	1700		CADE CADE PARSONS
0630	1700		PAKSONS
0630	1700		CAPE
			4,4474
		100	
	<u> </u>		

CAPE Form 320-1, Revised January, 2009



SAFETY MEETING ATTENDANCE ROSTER

Date:	3-13-17						
			D (7)				
'opic:	Seview OF	AHA For active	DFW S				
Name	·	Signature	Company				
Hame		Signature	Oinpany				
			TARSONS				
		-					
							
		<u> </u>					



SITE SAFETY AND HEALTH PLAN REVIEW

Project Name:	RI at Biggs AAF Site I & SI at Biggs AAF OB Site 2
	FT Beiss TX
Conducted By:	GERRY HILLS LIXOSO

I have reviewed the CAPE Site Safety and Health Plan for the above indicated site and understand the hazards and control measures required on this project.

I agree to follow the procedures outlined in this plan and to inform the CAPE Project Manager, Superintendent, and/or Site Safety and Health Officer should any unsafe condition be noted.

I understand that failure to follow safety regulations can be reason for removal from this project.

Date	Name	Signature	Company
Date (b) (6	5)		Parsons
	·		
·			
			

Revised: 05/2011



320-6 INITIAL PHASE INSPECTION / MEETING

Contract Number:		W91ZLK-13D-003	Task Order No:		003	
CAPE Project No.:		21003.003	Date:		13-Mar-17	
Project Loc	ation:	Ft. Bliss, TX				
DFW: Soil		Sampling and Analysis	Spec Sect.		Drawing	

1. INITIAL	I. INITIAL PHASE INSPECTION / MEETING ATTENDEES:								
	NAME	POSITION	COMPANY / CLIENT						
1	(b) (6)	suxos	Cape						
2		UXOSO/UXOQC	Cape						
3		Field Technician	Parsons						
4		UXO Tech II	Cape						
5		UXO Excort	Cape						
6									
Was Clier	nt Representative notified?		Yes Vo						

		SPECTION CHECKLIST:			
	RAL ITEMS				
Done	N/A	Description	Results	Action	
✓		Check preliminary work and review minutes of t	the Preparatory	Inspection / Mee	ting.
✓		Check that materials and equipment being used	d comply with pr	oject requiremer	nts.
\		Check the work to ensure it is full compliance w	vith the project re	equirements.	
B. CONT	ROLS TO A	ASSURE FULL COMPLIANCE:			
		Controls		Testing	
		✓ QC Officer Observations	Checked Test	ing procedure	
\checkmark		Qualified Inspector	Checked Instr	umentation Calibrat	ion
		3rd Party Inspection & Testing	Checked reco	rding Forms & Track	ing ID No.
		Other,	✓ None		
C. ESTA	BLISH LEV	EL OF WORKMANSHIP:			
		Work Location: OBOD Site 1			
\checkmark		Is a sample panel required?		Yes	✓ No
		Is initial work considered as a sample?		☐ Yes	✓ No
√		Check for omissions and resolve any difference	es or interpretation	ons with the gov	ernment/client
Ŭ		representative.			
√		Check safety to include compliance with Safety	Plan and Activit	y Hazard Analys	es. Review the
Ŭ		Activity Hazard Analyses.			
		Were procedures and work methods	✓ Yes		
✓		witnessed in strict compliance with project	□N∘	1	
		requirements?		1	
		Is a re-inspection required?	Yes		
✓			✓ No	1	
				1	
D. BRIEF	SUMMAR	Y OF INITIAL INSPECTION PROCEDURE AND	RESULT, POI	NTS OF CONCE	RN, ETC.:
All work/pr	ocedures o	bserved were safely conducted and IAW with	n project docum	nents.	



320-6 INITIAL PHASE INSPECTION / MEETING

Contract Number:		W91ZLK-13D-003	Task Order No:		003	
CAPE Project No.:		21003.003	Date:		13-Mar-17	
Project Loc	cation:	Ft. Bliss, TX	-			
DFW: Soil		Sampling and Analysis	Spec Sect.		Drawing	

•	(b) (6)	
Quality Control Representative:		

Date 3/14/2017	Ft Bliss Biggs Airfield DAILY SUMMARY
----------------	---------------------------------------

Type of Work	Quantity	Comments
Surface Sweep Transect Linear ft	NA	
DGM Transect collected Linear ft	48,964	Continued collecting DGM lanes 8 through 68 OB/OD 2
Point Anomalies Investigated ea.	NA	
Pit/Trench Anomalies Investigated ea.	NA	
Total Industrial debris recovered lbs	NA	
Total Material Documented As Safes (MDAS) recovered today lbs	NA	
Total MPPEH Recovered lb.	NA	
Total III 1 ETI NOOVOI CO ID.	INA	
Muntions Identified		
MEC found today (ea)	NA	
MEC Turned over today (ea)	NA	
Instructions Received From Customer Representative		

Daily Narrative

Arrived on site 0630, Safety brief conducted by Gerry Hills, 11 attendees. Site specific topics: MEC safety, Hydration, sun protection, wildlife. Completed DGM in OB/OD 2, collected soil samples in OB/OD 1 area 1: SU04, SU05, SU06, SU07. Schedule for 3-15-2017: Continue soil sampling, continue DGM collecting OB/OD 2. Expand OB/OD 1, Area 3 by 200' in all directions.



Daily Report Number:	2 1003-000	3/010	DAY	Tuesday	Date:	N.	March 14, 20	17
	Di et Dieses AAE	ODIOD Cita 4 au	d Clark Diagram AA	OD Cita II	O t t- 11		101047116 A	12 13 000
roject Title:	RI at Biggs AAF	Ft Bliss, T	d SI at Biggs AA f	- OB Site II	Contract N Task Order		W91ZLK-1	
<u> </u>		11 1133, 1	exas		Task Older	140	00	00
/eather: ☑ Gear	Partly Cloudy	Cloudy		Temperature:	45°F	Min.	82°F	Max.
				_	_	_	_	
find: ☑calm ax Wind Speed: 10 mpl	Breeze	Windy	Precipitation:	Rain ner Information S	0	Snow	<u> </u>	
ax Wind Speed: 10 mpt	[]		vveati	ner information S	ource:	www.accuw	<u>vealner.com</u>	
Labor Summary - Contract	or & Subcontra	ctor Supervisio	n and Craft Pers	onnel onsite and	Area of Resp	onsibility:		
			Cumulative					
lumber Nam	ne	Hours	Hours	Employer		Area of Re	sponsibility	
CAPE Sup								
		10.0	92.0	Cape			XOS	
2		10.0	92.0	Cape			/UXOQC	
3		10.0	92.0	Cape		IEC	H III	
4		10.0	92.0	Cape	T	U x O	Tech II	
5		10.0	92.0	Cape			Tech II	
6		10.0	92.0	Cape			Tech II	
7		10.0	92.0	Cape		U X O	Escort	
8								
Subcontra								
9		10.0	92.0	Parsons			echnician	
10		10.0	92.0	Parsons			Geophysicist	t
11		10.0	20.0	Parsons		Field Te	echnician	
Camanant		100.0	848.0					
Comment		urpose of Visi	ų:					
Equipment (Not Hand Tool:	s): shaded iten	ns indicate equi						
Deparintion (Blake and Blac	dal Birmahawi	Arrival Date	Departure Date	Date of Last Check	Days on Rent	Hours Used	Hours Idle	Hou Rep
Description (Make and Mode evy Silverado- White - Cape	der Number)	3/3/2017	Date	03/14/17	11	4	4	IXE
evy Silverado- Black - Cape		3/3/2017	\vdash	03/14/17	11	4	4	+
ssan Titan 4x4 - Parsons		2/28/2017		03/14/17	14	5	3	
dge Ram 2500 ProMaster Va	an - Parsons	2/2 8 /2 017		03/14/17	14	5	3	
shman Hauler ATV (171478)	- Cape)	3/3/2017		03/14/17	11	8	0	
shman Hauler ATV (168809		3/1/2017		03/14/17	13	8	0	
K GPS		2/2 8 /2 017		03/14/17	14	8	0	
//61 Towed Array		2/28/2017		03/14/17	14	8	0	
		3/13/2017		03/14/17	2	0	8	
/161 Portable Array								
161 Portable Array								
161 Portable Array								

Collected soil samples from Site 1, Area 1, SU04, SU05, SU06, SU07. Soil samples from yesterday and today sent to Lab. COC attached. Completed collecting DGM data from lanes 8 through 68 in Site 2 =~48,964 linear feet.

b С d е g h



Daily Report Number: DAY Date: March 14, 201 Three Phase Control Activities Performed Meetings / Inspections Completed Definable Features of Work (DFW) Follow-up Preparatory Initial 02/28/17 03/01/17 03/03/17 Mobilization and Site Preparation а b Vegetation Removal 02/28/17 03/01/17 Task Complete 3-1 02/28/17 03/01/17 03/08/17 DGM Operations d Surface MEC Clearance 02/28/17 03/01/17 03/07/17 Munitions Debris Removal and Disposal 02/28/17 03/01/17 03/08/17 е MPPEH Inspection and MD Turn-in 03/09/17 03/10/17 03/14/17 Soil Sampling and Analysis 03/10/17 03/13/17 03/14/17 g Anomaly Reacquisition Subsurface Anomaly Investigation Demobilization Tests Performed and Test Results Laboratory Analytical Testing: Date Sent Sample Type of Sample Sample ID No. **Analyses Requested** Matrix Comments to Lab Date OBOD1-SU01-SS-01 03/14/17 Incremental 03/13/17 Explosives, MC Metals, PAH's, pH <u> SO</u> Incremental 03/13/17 OBOD1-SU02-SS-01 OBOD1-SU03-SS-01 Explosives, MC Metals, PAH's, pH 03/14/17 SO Explosives, MC Metals, PAH's, pH 03/14/17 03/13/17 Incremental OBOD1-SU04-SS-01 03/14/17 Explosives, MC Metals, PAH's, pH 03/14/17 SO Incremental 03/14/17 Explosives, MC Metals, PAH's, pH Incremental 03/14/17 OBOD1-SU05-SS-01 SO OBOD1-SU06-SS-01 Explosives, MC Metals, PAH's, pH 03/14/17 Incremental 03/14/17 Explosives, MC Metals, PAH's, pH, OBOD1-SU07-SS-01 03/14/17 Incremental 03/14/17 SO MS/MSD Explosives, MC Metals, PAH's, DI Incremental 03/14/17 EB-031417 03/14/17 VVVVWater Comments: Inspections Performed and Inspection Results Area / Work Element Inspected Location of Inspection on Project Site Inspection Results (Accept / Reject) Material Received: (Note Inspection results and storage provided) Inspection Results Unit of Cumulative Complies with Buy (Accept or Item Measure Description **Daily Quantity** Quantity Storage Provided Reject) American Act ∐No None Yes а Yes b Yes □No No Yes Transportation and Disposal of Liquids, Solids, Recyclable Steel, and Government Property. Non-Hazardous Transportation and Disposal Cumulative Total Waste Type Daily Volume Transporter Disposal Facility None Recyclable Material Transportation and Management Material Type Daily Volume Cumulative Total Transporter Receiving Facility None



Daily Report Number: 21003-0003/010 DAY Tuesday Date: March 14, 2017				17					
			ed, results, instructions	and correc	tive actio	ns taken)			
	ons Conducte								
Personal P	PE	X	First Aid Kits	Х					
Vehicles		Χ	Electrical Cords	Х	(
Fire Exting		Х							
		violations,	corrective measures, d	amaged or o	comprom	ised equipmen	ıt, etc.		
	None								
b									
С									
d									
е									
f									
g									
_	-		summarize topics discu	•		-			
Slips, Trips	and Falls, All	ergies, Vel	nicle Safety, Hydration, H	ousekeeping	, Refuelin	g Procedures			
\M/a11	4i. :i4'	- d t l . '	annual man with ERS Of	E 4 40	IV.	VEO			
vvere all	activities cor	nducted in	accordance with EM 38	5-1-1?	X	YES			
40 5				· B:		· · · · · · · · · · · · · · · · · · ·		4	
10. Remar	Ks: (Instruct	ions recei	ved or given. Conflicts	in Plans and	a/or Spec	ifications. Del	lays encoun	terea)	
44 DI	- I A -41141	/1 !=4 ==4!	- i 4 6 - - 4 - 4 .		- f - \				
		(List anti	cipated field activities for	or next day o	or work)				
	oil sampling	:- 0:4- 0							
	GM collection		directions						
Expand Sit	e 1, Area 3 by	200 In all	directions.						
12. Safety	Hours:								
		idina CADE	and Subcontractors:	I I 10	0.00	Number of On-	sito Workday	VC:	10
	ve safety hour		and Subcontractors.		18.0	Calendar Days			15
Cumulati	ve salety flour	S to date.		04	10.0	Calellual Days	Since Start	OI WOIK.	15
Contractor	's Varificatio	n• On heh	alf of the Contractor I ce	rtify that this	report is	complete and co	orrect and al	ll materials and equipment ι	hası
								the best of my knowledge,	iseu
	nay be not <u>ed</u>		orting period are in compi	iance with the	C COITHACI	piaris ariu spec	cincations, to	the best of my knowledge,	
CACCPI as I		(6)							
	()								
								14-Mar-17	
								Date	
								14-Mar-17	
								Date	
								2010	
								14-Mar-17	
							•	Date	
								Date	



TAILGATE SAFETY MEETING RECORD

Day / Date: Tuesday, March 14, 2017

Time: 0630

Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB

Project Number: W91ZLK-13-D-0003

Client: Ft. Bliss

Location: Ft. Bliss, Texas

Specific Location: Biggs AAF, Texas

Work Description: Surface Clearance, DGM Operations

Comments:

SAFETY TOPICS PRESENTED

Protective Clothing / Equipment: PPE Level D.

Chemical Hazards: SDS on file with UXOSO

Physical Hazards:

1. Slips, trips and falls.

Biological Hazards

Vehicle Safety

Emergency Procedures: Notify SUXOS and UXOS immediately. Emergency medical assistance is requested through Base Operations Radio.

Emergency Hospital: William Beaumont Army Medical Center

Hospital Telephone: (915) 742-2121

Hospital Directions: Copy in each vehicle

Special Equipment:

Other: HYDRATE!

Heat stress.

Good housekeeping and hygiene.

3. Report all injuries to UXOSO, no matter how small they may be.

SAFETY MEETING ATTENDEES



320-1 SITE CONTROL LOG (SCL)

Contract Number:	W91ZLK-13-D-0003	Task Order No:	0003		
CAPE Project Number:	21003.003	Date:	March 14, 2017		
Project Location:	Ft.Bliss, TX				
Project Description:	RI at Biggs OB/OD Site I and SI at Biggs OB Site II				

TIME		NAME	ORGANIZATION
IN	OUT		
26.30	1700	(6)	CAPE
630	1700		CAPE
630	1700		CALE
1630	1700		uskes
0630	1700		CAPE
0630	1700		CASO
2630	1700		Carc
0630	1700		から
130	1700		CAPE
	1700		DARSONS
16.30	1700		Parsons

-			



320-6 FOLLOW UP PHASE INSPECTION

		<u> </u>		JI I HAOL I		<u></u>	
Contract N	umber:	W91ZLK-	13-D-0003	Task Order No:		0003	
CAPE Proje	ect No.:	2100	3.003	Date:	14-Mar-17		Mar-17
Project Loc	ation:	Ft. Bliss, Texas		•			
DFW:	MPPEH	Inspection and	MD Turn In	Spec Sect.		Drawing	
4 15117141		DESTION (NE	TING ATTEND			-	
1. INITIAL		PECTION / MEE					
		AME		ITION	COMPANY / CLIENT		
1	(b) (t			OQC		Cape	
2	(b) (6)		XOS		Cape	
3	(b) (6)		UXO	Tech III		Cape	
4							
5		-4:					
was Clier	it Represent	ative notified?			☐ Yes	✓ No	
2. INITIAL	PHASE INS	PECTION CHEC	CKLIST:				
A. GENE	RAL ITEMS	:					
Done	N/A		Description		Results	Actio	n Items
✓		Check prelimina	ary work and re	view minutes of t	he Preparatory I	nspection / Me	eeting.
\ \		Check that mat	erials and equip	ment being used	d comply with pro	oject requirem	ents.
✓		Check the work	to ensure it is t	full compliance w	ith the project re	equirements.	
B. CONT	ROLS TO A	SSURE FULL C	COMPLIANCE:				
			Controls		Testing		
		☑ QC Officer Observations			Checked Testing procedure		
✓		Qualified Inspector			Checked Instr	umentation Calibr	ation
		3rd Party Inspection & Testing			Checked recording Forms & Tracking ID No.		
		Other,			None		
C. ESTA	BLISH LEVI	L OF WORKM	ANSHIP:				
_	_	Work Location:		Site 1			
✓		ls a sample par				Yes	✓ No
		Is initial work co		<u> </u>		Yes	✓ No
✓		Check for omis: representative.	sions and resolv	ve any difference	s or interpretation	ons with the go	vernment/client
✓		_	-	ance with Safety	Plan and Activit	y Hazard Analy	yses. Review the
1		Activity Hazard	Analyses.				
		Were procedure			✓ Yes		
✓		witnessed in str	ict compliance	with project	□ No		
		requirements?					
		Is a re-inspection	on required?		Yes		
✓					✓ No		
D DDIE	CUBINA	(OF INITIAL IN	ODECTION DD	OCEDUDE AND	DECLUT BOLL	ITO OF COMO	EDV ETC.
				OCEDURE AND pected IAW WP			EKN, ETC.:
AII MUNIUO	iis uebiis ie	anoveu nom tr	ie site was ins	pected IAVV VVP	and Cape SUP	-⊶.	
				(6)			
			(D)) (6)			
	O 114 C	ntral Banracant	4-4:				



320-6 FOLLOW UP PHASE INSPECTION

Contract N	umber:	W91ZLK-	13-D-0003	Task Order No	o: 0003		003
CAPE Proje	ect No.:	2100	3.003	Date:		14-Mar-17	
Project Loc	ation:	Ft. Bliss, Texas	i	1			
DFW:		il Sampling & Ar		Spec Sect.		Drawing	
			M	•		,	
1. INITIAL	PHASE INS	PECTION / MEI	ETING ATTEND	EES:			
		AME	POS	ITION	CC	DMPANY / CLI	ENT
1	(b) (6)	UX	oqc		Cape	
2	(b) (6	<u> </u>	SU	xos		Cape	
3	(b)	(6)	Field Te	echnician		Parsons	
4	(b)	(6)	UXO.	Tech II		Cape	
5	(b) (6)		UXO	Escort		Cape	
Was Clier	nt Represent	tative notified?			Yes	✓ No	
2 INITIAL	PHASE INS	PECTION CHE	CKI IST:				
	RAL ITEMS		JKLIOT.				
Done	N/A	i I	Description		Results	Actio	n Items
✓		Check prelimina		view minutes of t			
□		<u> </u>		ment being used			_
□				ull compliance w		<u> </u>	
B. CONT	ROLS TO A	SSURE FULL O				,	
			Controls		Testing		
		QC Officer Observations			Checked Testing procedure		
	Qualified Inspector			Checked Instrumentation Calibration			
		3rd Party Inspection & Testing			✓ Checked recording Forms & Tracking ID No.		
		Other,			None		
C. ESTA	BLISH LEVI	EL OF WORKM	ANSHIP:				
		Work Location:		Site 1 - Area 1			
✓		ls a sample par	nel required?			Yes	✓ No
						✓ No	
7		Check for omis	sions and resolv	e any difference	s or interpretation	ons with the go	vernment/client
<u> </u>		representative.					
7		_	•	ance with Safety	Plan and Activit	y Hazard Analy	ses. Review the
		Activity Hazard	Analyses.				
			es and work me		✓ Yes		
✓			rict compliance v	with project	□ N∘		
		requirements?					
		Is a re-inspection	on required?		Yes		
✓					✓ No		
				OCEDURE AND		NTS OF CONC	ERN, ETC.:
Reviewed I	ab tests red	quested, prope	r packaging an	d labeling. All	were IAW WP.		
			(b) (6	5)			
			(-) (

Quality Control Representative:

Type of Work	Quantity	Comments
Surface Sweep Transect Linear ft	NA	Expanded Area 3 OB/OD 1 Surface swept new area
DGM Transect collected Linear ft	NA	
Point Anomalies Investigated ea.	NA	
Pit/Trench Anomalies Investigated ea.	NA	
Total Industrial debris recovered lbs	5,500	Area 3 OB/OD 1
Total Material Documented As Safes (MDAS) recovered today lbs	NA	
Total MPPEH Recovered lb.	NA	
Muntions Identified		
MEC found today (ea)	NA	
MEC Turned over today (ea)	NA	
		1
Instructions Received From		
Customer Representative		

Daily Narrative

Arrived on site 0630, Safety brief conducted by Gerry Hills, 11 attendees. Site specific topics: MEC safety, Hydration, sun protection, wildlife. Completed DGM in OB/OD 2, collected soil samples in OB/OD 1 area 1: SU08, AU01, AU02, AU03. Schedule for 3-15-2017: Continue soil sampling, continue DGM collecting OB/OD 1 Area 3. Secured a fabricator for construction of armor for back hoe and personnel protective shield.



Daily Report Number:	21003-0003	/011	DAY	Wednesday	Date:		March 15, 20	17
Project Title:	l at Biggs AAF C	B/OD Site 1 an	d SI at Biggs AAF	OB Site II	Contract No.: W91ZLK-13-D-00 Task Order No.: 0003			
————— Weather: ☑ Clear	Partly Cloudy	☐Cloudy	exas	Tem perature:	52°F	Min.	86°F	Max.
	Breeze		Precipitation:	Rain	0	Snow	0	
Max Wind Speed: 15 mph	_			er Information S			weather.com	
1. Labor Summary - Contracto	r & Subcontrac	tor Supervisio	n and Craft Pers	onnel onsite and	Area of Res	ponsibility:		
Number (b) (6)		Hours	Cumulative Hours	Employer		4 CD.		
Number (b) (6) CAPE Supervis		Hours	Hours	Employer		Area of Re	sponsibility	
1 June 1		10.0	102.0	Cape	Т	SU	XOS	
2		10.0	102.0	Cape)/U X OQC	
3		10.0	102.0	Cape		TE	CH III	
5		10.0	102.0 102.0	Cape			Tech II	
6		10.0 10.0	102.0	Cape Cape			Tech II Tech II	
7		10.0	102.0	Cape			Escort	
8								
								10:
9		10.0	102.0	Parsons			echnician	
10		10.0 10.0	102.0 30.0	Parsons			Geophysicis	t
		100.0	948.0	Parsons	<u> </u>	rielu i	echnician	
Comments (Lis	d	purpose of Vis			•			
		·						
	·							
2. Equipment (Not Hand Tools): shaded item	s indicate equi	om ent that has l	een taken off re	nt and/or offs	ite		
	T		Departure	Date of Last	Days on	Hours	Hours	Hours
Description (Make and Mode	el Number)	Arrival Date	Date	Check	Rent	Used	ldle	Repair
Chevy Silverado- White - Cape		3/3/2017		03/1 5 /17	12	4	4	
Chevy Silverado- Black - Cape		3/3/2017		03/1 5 /17	12	4	4	
Nissan Titan 4x4 - Parsons Dodge Ram 2500 ProMaster Var	n Darcone	2/28/2017 2/28/2017		03/1 5 /17 03/1 5 /17	15 15	5	3 2	│
Cushman Hauler ATV (171478 -		3/3/2017		03/15/17	12	8	0	
Cushman Hauler ATV (111410 -		3/1/2017		03/15/17	14	8	0	
RTK GPS	,	2/28/2017		03/15/17	15	8	Ö	
EM61 Towed Array		2/28/2017		03/15/17	15	8	0	
EM61 Portable Array		3/13/2017		03/1 5 /17	3	4	4	
Comments:								
3. Work Performed Today: (In		and descriptio	n of work perfor	med by CAPE an	id/or Subcont	ractors. W	hen network	canalysis
is used, identify work by activity a Collected 3 soil samp		Area 1 and 5 as	mples from back	around area. See	Plack 5			
a Collected 3 soil samp b Completed collecting			mbies morningck	grounu area - 5ee	: ыоск Э.			
c Expanded Site 1, Are	a 3 hv 100 feet i	n all directions	HXO surface sw	een complete				
d Expanded Site 1, Ale		an anochoria.	CAC dallage dw	oop complete.				
е								
f								



Daily Report Number: March 15, 2017 DAY Date: Three Phase Control Activities Performed Meetings / Inspections Completed Definable Features of Work (DFW) **Preparatory** Initial Follow-up 03/01/17 Mobilization and Site Preparation 03/03/17 Vegetation Removal 02/28/17 03/01/17 Task Complete 3-1 h 02/28/17 03/01/17 03/08/17 DGM Operations d Surface MEC Clearance 02/28/17 03/01/17 03/07/17 Munitions Debris Removal and Disposal 02/28/17 03/01/17 03/08/17 MPPEH Inspection and MD Turn-in 03/09/17 03/10/17 03/14/17 Soil Sampling and Analysis 03/10/17 03/13/17 03/14/17 g Anomaly Reacquisition h Subsurface Anomaly Investigation Demobilization Tests Performed and Test Results: Laboratory Analytical Testing: Date Sent Sample Type of Sample Sample ID No. **Analyses Requested** Matrix Comments to Lab Date Incremental 03/13/17 OBOD1-SU01-SS-01 Explosives, MC Metals, PAH's, pH 03/14/17 Explosives, MC Metals, PAH's, pH 03/14/17 Incremental 03/13/17 OROD1-SU02-SS-01 SO 03/13/17 OBOD1-SU03-SS-01 Explosives, MC Metals, PAH's, pH 03/14/17 Incremental Explosives, MC Metals, PAH's, pH 03/14/17 OBOD1-SU04-SS-01 03/14/17 SO Incremental 03/14/17 OBOD1-SU05-SS-01 Explosives, MC Metals, PAH's, pH 03/14/17 SO Incremental Incremental 03/14/17 OBOD1-SU06-SS-01 Explosives, MC Metals, PAH's, pH 03/14/17 Explosives, MC Metals, PAH's, pH Incremental 03/14/17 OBOD1-SU07-SS-01 03/14/17 SO MS/MSD Explosives, MC Metals, PAH's, DI EB-031417 03/14/17 Incremental 03/14/17 ww Water 03/15/17 Incremental 03/15/17 OBOD1-AU01-SS-01 PAH's SO 03/15/17 Incremental 03/15/17 OBOD1-AU01-SS-02 PAH's SO OBOD1-AU01-SS-03 03/15/17 Incremental 03/15/17 PAH's OBOD1-AU02-SS-01 03/15/17 SO 03/15/17 PAH's, MS/MSD Incremental 03/15/17 OBOD1-AU03-SS-01 PAH's 03/15/17 SO Incremental Explosives, MC Metals, PAH's, pH 03/15/17 OBOD1-SU08-SS-01 Incremental SO SO OBOD1-SU08-SS-02 Incremental 03/15/17 Explosives, MC Metals, PAH's, pH 03/15/17 OBOD1-SU08-SS-03 Explosives, MC Metals, PAH's, pH SO Incremental Comments: Inspections Performed and Inspection Results Area / Work Element Inspected Location of Inspection on Project Site Inspection Results (Accept / Reject) Material Received: (Note Inspection results and storage provided) nspection Results Complies with Buy **Cumulative** (Accept or Item Description Measure Daily Quantity Quantity Storage Provided Reject) American Act Yes ΠNα None □No b Yes Yes ΠNο Yes □No d Transportation and Disposal of Liquids, Solids, Recyclable Steel, and Government Property Non-Hazardous Transportation and Disposal Daily Volume Waste Type Cumulative Total Transporter Disposal Facility None Recyclable Material Transportation and Management Material Type Daily Volume Cumulative Total Transporter Receiving Facility None



Daily Rep	ort Number:		21003-0003/011	DAY	Wednesday	Date:	March 15, 2017	
				<u> </u>				
0 Joh Car	fotus (Lintite	me cheek	od roculto inoturotion	o and acreative	notions taken)			
	nety: (List ite		ed, results, instruction	is, and corrective	actions taken)			
Personal P		X X	First Aid Kits	X		1 11	1	
Vehicles	<u> </u>	X	Electrical Cords	X				
Fire Exting	uishers	X	Elocatical Cordo					
		violations,	corrective measures,	damaged or comp	promised equipm	ent, etc.		
	None		,		•	•		
b								
С								
d								
e f								
g								
•	ilgate Safety	Meeting: (s	summarize topics disc	cussed)				
			hicle Safety, Hydration,		fueling Procedure	s		
опро, тпро	and rano, re	inorgioo, vo	more carety, riyaranen,	Trodoctiooping, Tto	racing r receaute	<u> </u>		
					•	•		
Were all	activities co	nducted in	accordance with EM	385-1-1?	X YES			
40 B								
10. Remai	rks: (Instruc	tions recei	ved or given. Conflic	ts in Plans and/or	Specifications. I	Delays encounte	red)	
11. Planne	ed Activities	: (List anti	cipated field activities	for next day of wo	ork)			
	oil sampling i				•			
Complete I	DGM collection	on in Site 1,	Area 3					
12. Safety	Hours:							
		uding CAPE	and Subcontractors:	100.0	Number of C	n-site Workdays:	: 1	1
	ve safety hou			948.0	Calendar Da	ys since Start of	Work: 10	6
and work p		ing this rep					materials and equipment used he best of my knowledge,	
					_		15-Mar-17 Date	
					_		15-Mar-17 Date	
					_		15-Mar-17 Date	
							Date	



TAILGATE SAFETY MEETING RECORD

Day / Date: Wednesday, March 15, 2017 Time: 0630

Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB

Project Number: W91ZLK-13-D-0003

Site II

Client: Ft. Bliss Location: Ft. Bliss, Texas

Specific Location: Biggs AAF, Texas

Work Description: Surface Clearance, DGM Operations

Comments:

SAFETY TOPICS PRESENTED

Protective Clothing / Equipment: PPE Level D.

Chemical Hazards: SDS on file with UXOSO

Physical Hazards:

- 1. Slips, trips and falls.
- 2. Refueling Procedures
- 3. Vehicle Safety

Emergency Procedures: Notify SUXOS and UXOS immediately. Emergency medical assistance is requested through Base Operations Radio.

Emergency Hospital: William Beaumont Army Medical Center

Hospital Telephone: (915) 742-2121

Hospital Directions: Copy in each vehicle

Special Equipment:

Other: HYDRATE!

- 1. Heat stress.
- 2. Good housekeeping and hygiene.
- 3. Report all injuries to UXOSO, no matter how small they may be.

(b) (6



320-1 SITE CONTROL LOG (SCL)

Contract Number:	W91ZLK-13-D-0003	Task Order No:	0003	
CAPE Project Number:	21003.003	Date:	March 15, 2017	
Project Location:	Ft.Bliss, TX			
Project Description:	RI at Biggs OB/OD Site I and SI at Biggs OB Site II			

TII	TIME					
iN in	OUT	NAME (b) (6)	ORGANIZATION			
0630	1700	(b) (0)	(ALDE			
0630	1700		Cape			
	1700	_	Parsons			
0630	1700		Parsons Coye			
0430	1700	-	CAPE			
263.	1700	-	c nec			
0630 0630	1700	-	APPE			
	1700	-	CADO			
0630	1700	-	PARSONS			
0630	1700	-	Pariens			
		-				

Date 3/16/2017	Ft Bliss Biggs Airfield DAILY SUMMARY
----------------	---------------------------------------

Type of Work	Quantity	Comments
Type of World	Quantity	
Surface Sweep Transect Linear ft	NA	
DGM Transect collected Linear ft	NA	Completed DGM of add on in OB/OD Site 1 Area 3
Point Anomalies Investigated ea.	NA	
Pit/Trench Anomalies Investigated ea.	NA	
Total Industrial debris recovered lbs	NA	
Total Material Documented As Safes (MDAS) recovered today lbs	NA	
Total MPPEH Recovered lb.	NA	
Muntions Identified		
MEC found today (ea)	NA	
MEC Turned over today (ea)	NA	
Instructions Received From Customer Representative		

Daily Narrative

Arrived on site 0630 and safety brief conducted by Gerry Hills (11 attendees). Site specific topics: MEC safety, hydration, sun protection, hand tools and wildlife. Completed DGM in OB Site 2, collected soil samples in OB/OD Site 1 and OB Site 2. Schedule for 3-17-2017: Begin reacquire 50 DGM anomalies at OB/OD Site 1 and characterization.



	<u>32</u>	0-2 DAILY C	QUALITY CC	NTROL RE	PORT			
Daily Repo	rt Number: 21003-00	003/012	DAY	Thursday	Date:		March 16 <mark>, 2</mark> 0	17
Project Title	e: RI at Biggs AAF	OB/OD Site 1 and		OB Site II	Contract N		W91ZLK-1	
		Ft Bliss, T	exas		Task Order	· No.:	00	U3
Weather:	✓ Clear Partly Cloudy	Cloudy		Temperature:	52°F	Min.	86°F	Max.
Wind: Max Wind S	□Calm ☑Breeze Speed: <u>20 mph</u>	∐Windy	Precipitation: Weath	Rain ner Information S	<u>0</u> Source:	Snow www.accuv	0 weather.com	
1. Labor Su	ummary - Contractor & Subcontr	actor Supervision		onnel onsite and	Area of Resp	onsibility:		
Number	Name	Hours	Cumulative Hours	Employer		Area of Re	sponsibility	
CAPE Su	(b) (6)	10.0 I	112.0	Cape	1	QI I	xos	
2		10.0	112.0	Cape			/UXOQC	
3		10.0	112.0	Cape			CH III	
4		10.0	112.0	Cape	Т	UXO	Tech II	
5		10.0	112.0	Cape			Tech II	
6		10.0	112.0	Cape			Tech II	
7		10.0	112.0	Cape		0,00	Escort	
9		10.0	112.0	Parsons			echnician	
10 11		10.0 10.0	112.0 4 0.0	Parsons Parsons			Geophysicis echnician	Ĭ .
		100.0	1048.0	1 4130113		T TOTAL T	scrinician	
Commen		ourpose of Visi	t):					
2 Equipme	ent (Not Hand Tools): shaded ite	me indicate equir	nment that has h	een taken off rer	ot and/or offe	ita		
z. Equipino	The (Hot Halla Tools). Shadod to	I I I I I I I I I I I I I I I I I I I	Departure	Date of Last	Days on	Hours	Hours	Hours
	ion (Make and Model Number)	Arrival Date	Date	Check	Rent	Used	Idle	Repair
	rado-White - Cape	3/3/2017		03/16/17	13	4	4	
	rado- Black - Cape ı 4x4 - Parsons	3/3/2017 2/28/2017		03/16/17	13 16	4 5	4 3	+
Dodge Ram 2500 ProMaster Van - Parsons		2/28/2017		03/16/17	16	7	2	
	auler ATV (171478 - Cape)	3/3/2017		03/16/17	13	8	0	
	auler ATV (168809 - Parsons)	3/1/2017		03/16/17	15	4	0	4
RTK GPS	olo Amor	2/28/2017		03/16/17	16	8	0	<u> </u>
EM61 Portal Comment		3/13/2017		03/16/17	4	4	4	
	TV 168809 flat tire needing major r	epair.						
		<u> </u>						
3. Work Pe	rformed Today: (Indicate location	on and description	n of work perfor	med by CAPF an	d/or Subcont	ractors. W	nen network	analysis
	fy work by activity number)			, 5 = 611				
,	Collected soil samples from Site 1	and Site 2 - See Bl	lock 5					
	mpleted collecting DGM data from Site 1, Area 3. DGM data collection complete.							
c A	Acquired materials for fabricator to	begin shielding ba	ickhoe and build p	oersonnel shield.				
a I								



Daily Report Number: DAY Date: Three Phase Control Activities Performed: Meetings / Inspections Completed Definable Features of Work (DFW) Preparatory Initial Follow-up Mobilization and Site Preparation 03/01/17 03/03/17 02/28/17 а Vegetation Removal 02/28/17 03/01/17 Task Complete 3-1 b 02/28/17 03/01/17 03/08/17 DGM Operations d Surface MEC Clearance 02/28/17 03/01/17 03/07/17 Munitions Debris Removal and Disposal е 02/28/17 03/01/17 03/08/17 MPPEH Inspection and MD Turn-in 03/09/17 03/10/17 03/14/17 Soil Sampling and Analysis 03/10/17 03/13/17 03/14/17 g Anomaly Reacquisition 03/16/17 Subsurface Anomaly Investigation 03/16/17 Demobilization Laboratory Analytical Testing: Date Sent Sample Type of Sample Sample ID No. **Analyses Requested** Matrix Comments to Lab Date OBOD1-SU01-SS-01 03/14/17 03/13/17 Incremental Explosives, MC Metals, PAHs, pH <u> SO</u> OBOD1-SU02-SS-01 OBOD1-SU03-SS-01 explosives, MC Metals, PAHs, pH 03/14/17 Incremental 03/13/17 SO Explosives, MC Metals, PAHs, pH 03/14/17 Incremental 03/13/17 SO 03/14/17 OBOD1-SU04-SS-01 Explosives, MC Metals, PAHs, pH 03/14/17 Incremental 03/14/17 Explosives, MC Metals, PAHs, pH Incremental 03/14/17 OBOD1-SU05-SS-01 SO Incremental 03/14/17 OBOD1-SU06-SS-01 Explosives, MC Metals, PAHs, pH 03/14/17 SO Incremental 03/14/17 OBOD1-SU07-SS-01 Explosives, MC Metals, PAHs, pH 03/14/17 SO MS/MSD Grab 03/14/17 FB-031417 Explosives, MC Metals, PAHs 03/14/17 W Incremental 03/15/17 OBOD1-AU01-SS-01 P**A**Hs 03/15/17 SO field triplicate OBOD1-AU01-SS-02 field triplicate 03/15/17 ŜΟ 03/15/17 P**A**Hs Incremental SQ Incremental 03/15/17 OBOD1-AU01-SS-03 P**A**Hs 03/15/17 field triplicate SO 03/15/17 MS/MSD 03/15/17 OBOD1-AU02-SS-01 **PAHs** Incremental 03/15/17 OBOD1-AU03-SS-01 P**A**Hs 03/15/17 SO Incremental 03/16/17 03/15/17 OBOD1-SU08-SS-01 Explosives, MC Metals, PAHs, pH Incremental <u> SO</u> field triplicate Incremental 03/15/17 OBOD1-SU08-SS-02 Explosives, MC Metals, PAHs, pH 03/16/17 field triplicate OBOD1-SU08-SS-03 SO 03/16/17 Incremental 03/15/17 Explosives, MC Metals, PAHs, pH field triplicate SO Incremental 03/16/17 OB2-SU01-SS-01 P**A**Hs 03/16/17 field triplicate 03/16/17 Incremental 03/16/17 OB2-SU01-SS-02 **PAHs** SO field triplicate Incremental 03/16/17 OB2-SU01-SS-03 P**A**Hs 03/16/17 SO field triplicate SO OB2-SU02-SS-01 03/16/17 03/16/17 **PAHs** Incremental OB2-SU03-SS-01 03/16/17 SO Incremental 03/16/17 PAHs MS/MSD 03/16/17 OBOD1-SU09-SS-01 Explosives, MC Metals, PAHs, Ph 03/16/17 Incremental SO Comments: Inspections Performed and Inspection Results Area / Work Element Inspected Location of Inspection on Project Site Inspection Results (Accept / Reject) Material Received: (Note Inspection results and storage provided) Inspection Results Unit of Cumulative (Accept or Complies with Buy Item Measure

Description

Quantity

Storage Provided

Reject)

American Act

□No

□Nb

□No

No

Yes

Yes

Yes

Yes

Daily Quantity

а

b

d

None



Daily Rep	Daily Report Number: 21003-0003/		/012	DAY	Thursday	Date:	March 16, 201	16, 2017	
8 Transr	ortation and	Disposal o	f Liquids So	lids Recyclah	le Steel, and Go	vernment Prone	rtv:		
8. Transportation and Disposal of Liquids, Solids, Recyclable Steel, and Government Property: Non-Hazardous Transportation and Disposal									
	ste Type		Volume		tive Total	Transporter		Disposal Facility	
	Vone								
Describ		T	4: d N A						
_	ble Material	•	Volume		ntive Total	Transr	- outou	Bossiving Essi	lita
	rial Type None	Dally	Volume	Cultiula	ilive rotai	Transporter		Receiving Faci	пц
'	40110	<u>ie</u>							
		· L		•		•		<u> </u>	
			ed, results, in	structions, an	d corrective act	tions taken)			
	ions Conduct								
Personal F	PPE	X	First Aid Kits		X				
Vehicles Fire Exting	nuishers	X	Electrical Co	rus	^	 			
			corrective m	easures, dam	aged or compro	mised equipmen	t. etc.		
а	None	,			J	4	,		
b									
С	1								
d e	 								
	ilgate Safety	Meeting: (summarize to	pics discusse	ed)				
						r Lifting Technique	es, Hand Tools		
			. ,,	.,			-,		
Mara al	l activities as			i4b EM 205 4	42	VEC.			
vvere ai	i activities co	nauctea in	accordance	with EM 385-1	-17	X YES			
10. Rema	arks: (Instruc	tions recei	ved or given.	Conflicts in	Plans and/or Sp	ecifications. Del	avs encounte	red)	
			<u> </u>				- -		
44 Dlane	A	. / :=4 ==4:	singted field	andividina for u	ant day of work	A			
	Acquisition and	_		activities for r	ext day of work	.)			
Allollialy F	Acquisition and	u Characteri.	zation.						
12. Safet									
	fety hours incl	uding CADE	and Subcont	tractors:	100.0	Number of On-	eite Workdaye	. 1	12
•	tive safety hou	_	_ and Subcom	iraciors.	1048.0	Calendar Days			17
and work p								naterials and equipment use best of my knowledge, 16-Mar-17 Date	sed
_						-		16-Mar-17 Date 16-Mar-17	
						-		Date	



TAILGATE SAFETY MEETING RECORD

Day / Date: Thursday, March 16, 2017 Time: 0630

Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB

Site II

Project Number: W91ZLK-13-D-0003

Client: Ft. Bliss Location: Ft. Bliss, Texas

Specific Location: Biggs AAF, Texas

Work Description: Surface Clearance, DGM Operations

Comments:

SAFETY TOPICS PRESENTED

Protective Clothing / Equipment: PPE Level D.

Chemical Hazards: SDS on file with UXOSO

Physical Hazards:

Stips, trips and falls.

2. Tool Safety

3. Proper Litting Techniques

Emergency Procedures: Notify SUXOS and UXOS immediately. Emergency medical assistance is requested through Base Operations Radio.

Emergency Hospital: William Beaumont Army Medical Center

Hospital Telephone: (915) 742-2121

Hospital Directions: Copy in each vehicle

Special Equipment:

Other: HYDRATE!

1. Heat stress,

2. Good housekeeping and hygiene.

3. Report all injuries to UXOSO, no matter how small they may be.

SAFETY MEETING ATTENDEES

b) (6



320-1 SITE CONTROL LOG (SCL)

Contract Number:	W91ZLK-13-D-0003	Task Order No:	0003			
CAPE Project Number:	21003.003	Date:	March 16, 2017			
Project Location:	Ft.Bliss, TX					
Project Description:	RI at Biggs OB/OD Site I and SI at Biggs OB Site II					

TIE	WE	1	
TIME IN OUT		NAME	ORGANIZATION
0630	1700	b) (6)	Cape
06:30	1700		Cape Jarsons
0630	1700		Parsons
0630	1700		Parsons
0630	1700		CAPE CABE
0630	1700		CABE
0635	1700		EAPE
0630	1700		Cape
0630	1700		APF
0630	1700		C112a
	ı		
	<u> </u>		
<u> </u>	ļ		

MDAS Accumulation Form for Drum/Container Number: $\underline{\mathbf{1}}$

Date	Description/NIIN Qty (lbs) Type of Tr		Type of Treatment*
3/16/2017	20mm Projectiles	20mm Projectiles 32	
3/16/2017	37mm Cartridge Cases & Flash Tubes	38	
3/16/2017	Small Arms Projectiles	40	
3/16/2017	Engine Starter Cart	1	
3/16/2017	2.36 Rocket Motor	1	
3/16/2017	2.75" FFAR Shorting Caps	1	
3/16/2017	Frag 8		
3/16/2017	Fuze Parts	4	
	Total	125	

^{*}If Applicable

"The material listed on this form has been inspected or processed by DDESB-approved means, as required by DoD policy, and to the best of knowledge and belief does not pose an explosive hazard"

CERTIFIER	(b) (6)		
Signature :		Date:	3/16/2017
Printed Name:	(b) (6)	_	
Position:	UXOSO/UXOQC	_	
Organization Name:	Cape Environmental Management		
Organization Address:	500 Pinnacle Ct, Suite 100, Norcross, GA 30071		
Organization Phone	Number: (b) (6)		
VERIFIER	(b) (6)		
Signature :		Date:	3/16/2017
Printed Name:	(b) (6)	_	
Position:	SUXOS	_	
Organization Name:	Cape Environmental Management		
Organization Address:	500 Pinnacle Ct, Suite 100, Norcross, GA 30071		
Organization Phone	Number: (b) (6)		



Contract N	umber:	W91ZLK-13-D-0003	Task Order No	o: 0003
CAPE Proje	ect No.:	21003.003	Date:	16-Mar-17
Project Loc	cation:	Ft. Bliss, TX		
DFW:	Α	nomaly Reacquisition	Spec Sect.	Drawing

1. PREPARATORY PHASE INSPECTION / MEETING ATTENDEES:				
	/b\ /6\	POSITION	COMPANY / CLIENT	
1	(b) (6)	SUXOS	Cape	
2		UXOSO/UXOQC	Cape	
3		Field Technician	Parsons	
4		Geophysicist	Parsons	
5		Field Technician	Parsons	
6		UXO Tech III	Cape	
7		UXO Tech II	Cape	
8		UXO Tech II	Cape	
9		UXO Tech II	Cape	
10		UXO Escort	Cape	

2. PREPARATORY PHASE INSPECTION CHECKLIST:					
A. DOCU	MENT REV	IEW:			
Done	N/A	Description	Results	Action Items	
✓		Review each applicable sections of the Work Pl	an		
<		Review all applicable Standard Operating Proce	dures.		
✓		Review Explosive Safety Submittal (ESS).			
B. SUBM	IITTAL STA	TUS REVIEW:			
<u>Review</u> and app		ttal requirements to ensure that all materials and	/or equipment h	ave been tested, submitted,	
<		Have all materials been submitted, tested, and approved?	✓ Yes		
✓		Has all equipment been submitted, tested, and approved?	✓ Yes		
C. OFFSI	ITE DISPOS	AL OF MATERIALS:			
	V	Have all materials for disposal offsite been sampled and properly characterized for disposal?	Yes No V/A		
	7	Have Landfills been contacted and received copy of waste characterization results?	Yes No		



Contract Number:		W91ZLK-13-D-0003	Task Order No:		0003	
CAPE Proje	ect No.:	21003.003	Date:		16-	Mar-17
Project Loc	ation:	Ft. Bliss, TX				
DFW:	A	nomaly Reacquisition	Spec Sect.		Drawing	T
		Have all Parties related to the a	pproval	Yes		
	✓	process for hauling offsite been		 □ N∘	1	
		have they approved disposal m	ethods?	✓ N/A	1	
		Has it been verified that the Tra	nsporter of the	Yes		
	✓	material is properly licensed for	hauling of this	□N∘	1	
		material?		✓ N/A	1	
		Has the process/procedure for	signing Waste	Yes		
	✓	Manifests been clearly establish	ned?	□N∘	1	
				✓ N/A	1	
D. WORK	(AREA INS	PECTION:			•	
		Has all required preliminary work been completed and accepted to allow this DFW to start?		✓ Yes		
✓				□ N∘	1	
				□ N/A	1	
		Are all required Permits received and on file on		✓ Yes		
✓		the jobsite and/or properly poste	site and/or properly posted?		1	
				□ N/A	1	
E. MATE	RIAL AND E	QUIPMENT INSPECTION:				
		Are all required materials on hand (or		✓ Yes		
✓		scheduled for delivery to avoid schedule delays)?		□N∘		
				□ N/A	1	
		ls all material properly stored ar	nd protected,	✓ Yes		
✓		as applicable?		□ No	1	
				□ N/A	1	
		Are all pieces of equipment or n		✓ Yes		
✓		hand (or scheduled for delivery	to avoid	□ No	1	
		schedule delays)?		□ N/A	1	
		ls all equipment or modules pro	perly stored	✓ Yes		
✓		and protected, as applicable?		N∘]	
				□ N/A		
F. REVIE	W OF SAFE	TY REQUIREMENTS:				
		Review appropriate AHAs to en	sure safety regu	<u>irements are m</u>	<u>et.</u>	
		Comments:				
✓		All Personnel read and signed	d the AHA.			



Contract N	umber:	W91ZLK-13-D-0003	Task Order N	o:		0003
CAPE Proj	ect No.:	21003.003	Date:		16	-Mar-17
Project Lo	cation:	Ft. Bliss, TX			_	
DFW:		Anomaly Reacquisition	Spec Sect.		Drawing	
		-				
G. REVII	W OF W	ORK PERFORMANCE / TESTING	/ INSPECTIO	N REQUIREME	ENTS:	
V		Discuss procedures to accomplis	sh the work, in	cluding points	of control.	
V		Establish construction tolerances	s and workma	nship standard	s for this DFW.	
		Review provisions that have bee one)	n made to pro	vide required q	uality control (cl	neck applicable
✓		Subcontractor / Consultant				
		✓ QC Officer or another member of	QC Team			
		3rd Party Inspection				
		Quality Control Testing:				
		Tests to be Performed:				
		Frequency of Tests:				
		Testing by Whom:				
		When:				
		Where:	On Site			
	✓	Has Testing Facility Been App	roved?	Yes No	N/A	
		For Tooting porfermed on site	baa taatina	Yes		
		For Testing performed on site, equipment and test methods b		□N∘		
		submitted?	CCII			
		Has Testing Equipment been o	alibratad	Yes	N/A	
		before use or calibration certific		□N∘		
		provided before use?				
~		Verify that portion of Work Plan for work to be performed has been accepted by the government.				
√		Discuss the Initial Control Phase				
	-	declare that: The above required res are certified to fully comply w			=	ethods and

Quality Control Representative:



Contract N	umber:	W91ZLK-13-D-0003	Task Order No	o: 0003
CAPE Proje	ect No.:	21003.003	Date:	16-Mar-17
Project Loc	cation:	Ft. Bliss, TX		·
DFW:	Subsui	face Anomaly Investigation	Spec Sect.	Drawing

	NAME	POSITION	COMPANY / CLIENT
1 (b) (6)		SUXOS	Cape
2		UXOSO/UXOQC	Cape
3		Field Technician	Parsons
4		Geophysicist	Parsons
5		Field Technician	Parsons
6		UXO Tech III	Cape
7		UXO Tech II	Cape
8		UXO Tech II	Cape
9		UXO Tech II	Cape
10		UXO Escort	Cape

2. PREPAF	RATORY PH	IASE INSPECTION CHECKLIST:		
A. DOCU	MENT REV	TEW:		
Done	N/A	Description	Results	Action Items
✓		Review each applicable sections of the Work Pl	an	
✓		Review all applicable Standard Operating Proce	dures.	
✓		Review Explosive Safety Submittal (ESS).		
B. SUBM	IITTAL STA	TUS REVIEW:		
<u>Review</u> and app		ttal requirements to ensure that all materials and	l/or equipment h	ave been tested, submitted,
▽		Have all materials been submitted, tested, and approved?	✓ Yes	
\		Has all equipment been submitted, tested, and approved?	✓ Yes	
C. OFFS	ITE DISPOS	SAL OF MATERIALS:		
		Have all materials for disposal offsite been	Yes	
	✓	sampled and properly characterized for	□ No	
		disposal?	✓ N/A	
		Have Landfills been contacted and received	Yes	
	✓	copy of waste characterization results?	□N∘	
			√ N/A	



Contract Number:		W91ZLK-13-D-0003	Task Order No:		0003	
CAPE Proje	ect No.:	21003.003	Date:		16-1	Mar-17
Project Loc	ation:	Ft. Bliss, TX				
DFW:	Subsur	face Anomaly Investigation	Spec Sect.		Drawing	
					· -	
		Have all Parties related to the a	pproval	Yes		
	✓	process for hauling offsite been		N∘	1	
		have they approved disposal me		✓ N/A	1	
		Has it been verified that the Tra	nsporter of the	Yes		
	✓	material is properly licensed for		□ res □ No	1	
	ŭ	material?		□ N/A	1	
		Has the process/procedure for s	signing Waste	Yes	+	
	✓	Manifests been clearly establish		□ res	-	
Ш	$\overline{\Box}$	That modes a solit croamly social nor			4	
D. WODI	(ADEA ING	PEGTION		✓ N/A		
D. WORK	AREA INS				_	
		Has all required preliminary work been completed and accepted to allow this DFW to start?		✓ Yes	4	
✓				∐ No	4	
				□ N/A		
_	_	Are all required Permits received and on file on the jobsite and/or properly posted?		✓ Yes	1	
\checkmark				∐ No	_	
				☐ N/A		
E. MATE	RIAL AND E	EQUIPMENT INSPECTION:				
		Are all required materials on hand (or		✓ Yes		
✓		scheduled for delivery to avoid schedule		□ No		
		delays)?		□ N/A		
		ls all material properly stored ar	nd protected,	✓ Yes		
✓		as applicable?		□ No	1	
				□ N/A	1	
		Are all pieces of equipment or n	nodules on	✓ Yes		
V		hand (or scheduled for delivery	to avoid	□ No	1	
		schedule delays)?			1	
		Is all equipment or modules pro	perly stored	✓ Yes		
V		and protected, as applicable?	· •	 □ N∘	1	
			ŀ	□ N/A	1	
F. REVIE	W OF SAFE	TY REQUIREMENTS:				
		Review appropriate AHAs to en	sure safety requ	irements are m	net.	
		Comments:	<u> </u>		7.0.2	
		All Personnel read and signed	the AHA			
ŭ		Visoriiloi roud urid signet				



Contract N	umber:	W91ZLK-13-D-0003	Task Order N	o:	0003	
CAPE Proj	ect No.:	21003.003	Date:		16-Mar-	17
Project Lo	cation:	Ft. Bliss, TX	•			
DFW:	Subsu	rface Anomaly Investigation	Spec Sect. Drawing			
G. REVI	W OF WO	RK PERFORMANCE / TESTIN	IG / INSPECTION	N REQUIREM	ENTS:	
✓		Discuss procedures to accom	plish the work, in	cluding points	of control.	
>		Establish construction toleran		•		
		Review provisions that have tone)	een made to pro	vide required (quality control (check	applicable
✓		Subcontractor / Consultant				
		✓ QC Officer or another member of QC Team				
		3rd Party Inspection				
		Quality Control Testing:				
		Tests to be Performed:				
		Frequency of Tests:				
		Testing by Whom:				
		When:				
		Where:	On Site			
	✓	Has Testing Facility Been A	pproved?	Yes	N/A	
_				□ No		
		For Testing performed on s	ite. has testing	Yes		
		equipment and test method submitted?		N∘		
		Has Testing Equipment bee	an calibrated	Yes	N/A	
		before use or calibration ce		□ No	\exists	

I hereby declare that: The above required materials delivered to the job site and methods and procedures are certified to fully comply with the project requirements.

Verify that portion of Work Plan for work to be performed has been accepted by the

	(b) (6)	
Quality Control Representative:			
_			

government.

Discuss the Initial Control Phase.

4

1

(b) (6)		

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ENVIRONMENTAL SAMPLING

Project Name:	Remedial Investigation at Biggs OB/OD Site I and Site Inspection at Biggs OB Site II	E-DQCR No.:	
Project Location:	El Paso, TX	Date:	3/16/2017
Project Number:		Page:	1 of 2

1. ENVIRONMENTAL SAMPLING ACTIVITIES COMPLETED

(Include description of sampled areas, media sampled, and other pertinent information)

Incrimental samples collected per QAPP at OB/OD Site I and OB Site II

OB/OD Site I:

SU08 x3 (triplicate)

- Samples collected 3/15
- Shipped to lab on 3/16 (see COC)

SHID

- Sample grid added based on field observations and used DGM survey data to select grid placement
- Shipped to lab 3/16.

OB Site II:

SU01 x3 (triplicate)

SU02

SU03 (MS/MSD)

- Shipped to lab 3/16

2. ENVIRONMENTAL SAMPLES COLLECTED

(Include Sample IDs, media, and analytes; may be supplemented by attached CoC Form[s])

See chain of custody (COC) attached.

3. SAMPLING EQUIPMENT USED (Include Equipment Reference Numbers)

Stainless steel sample spoons and ziplock plastic bags. Nitril gloves used during sample collection. Alconox and DI water to decontaminate between each sample grid.

Equip. Items Calibrated	NA
Calibration Documented in	NA

PARSONS S-DCQR Rev. 0

ENVIRONMENTAL SAMPLING

Project Name:	Remedial Investigation at Biggs OB/OD Site I and Site Inspection at Biggs OB Site II	E-DQCR No.:	
Project Location:	El Paso, TX	Date:	3/16/2017
Project Number:		Page:	2 of 2

4a. DEVIATIONS FROM THE WORK PLAN/QAPP (Deviations that may affect DQOs must be conveyed to USACE immediately) None 4b. VERBAL/WRITTEN INSTRUCTIONS RECEIVED FROM GOVERNMENT PERSONNEL None 5. LIST OF ATTACHMENTS (Include QA/QC sample summary tables, CoC Forms, and other sampling-related project forms) See attached chain of custody (COC)

5. APPROVAL SIGNATURES (Sample Team Leader may Prepare and Sign)



PARSONS

SGS

ACCUTEST

SGS Accutest Southeast Chain of Custody 4405 Vineland Road, Suite C-15 Orlando, Fl 32811

SGS ACCUTEST JOB #:

PAGE OF

Client / Reporting Information	www.ac	FAX: 407-425-0707 cutest.com	SGS Accute	st Quote #	SKIFF#	
Company Name: DARSONS		Information		Analytica	I Information	11-1-1
Address: 8000 CENTRE PARK OR	Street FOR	BLISS			The state of the s	DW - Drinking Water
AUSTIN State: TX Zip: 79751	EL PA	So State 7				GW - Ground Water
Project Contac (6)	100	,0 //				WW - Water SW - Surface
Phone. (b) (6) (b) (c) (c)	Fax#		VES	Q'S		Water SO - Soil
Sampler(s) Sampler 1: (b) (6)	Purchase Order #	09 04 (CAPE)	NH	W S		SL- Sludge OI - Oil
+	COLLECTION	CONTAINER INFORMATION	~ × 0 × v	1		LIQ - Other Liquid
SGS Accutest		OTAL# G	三二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十	4 VS 1		AIR - Air
Sample # Field ID / Point of Collection PATE OBOD - 54.08 - 55 - 01 3 15	TIME BY: MATRIX B	OF SHED NON HOEN HOUSE	2 0 2 00	£ 2		LAB USE ONLY
08001-5408-55-02 3/5	17 0900 BB 50		XXX	X		K DESTRA
0B00 1 - 54 08 - 55-02 3/15	7 0900 BB 50		XXX	X		
0300 - 5408 - 55-02 3 15 0300 - 5408 - 55-03 3 15 082 - 5401 - 55 - 01 3 16	7 0830 BB 50		XXX	X		
082-5401-65-02 3/16	7 0830 BB 50		X			
082-5401-55-03 3/16/	7 0830 BB SO 7 0830 BB SO 7 1020 BB SO		X			
082-51102-55-01 316	7 1020 86 50		X			
082-5402-55-01 3/16/	7 1330 88 50		X			
080Dt 5409 - 55 - 01 3/16/	1015- 2-		XXX	X		
	Aller BB 20		XXX	X		
Turnaround Time (Business days)	Data	Deliverable Information				
10 Day (Business) Approved By: / Dat	A CONTRACTOR OF THE PARTY OF TH	- "A" (RESULTS ONLY)			Comments / Remark	ks
(7 Day)		"B" (RESULTS PLUS QC)	*1	SM-UK,	y & sieve	
5 Day	REDT1 (EPA		1	" 1NV6	NITRUOT A	cto nov
3 Day RUSH	FULLT1 (EPA	LEVEL 4)	*	4 TAPE	ALIQUOT BY	CFOR UNY
2 Day RUSH	EDD'S			522VE	PROCESS 153	AP
1 Day RUSH						
Other						
(b) (6) Rush T/A Data Available VIA Email or Lablink Sample Custod	y must be documented below	each time samples change po	ssession, including couri	er delivery.		
Date Time: Received By/		Relinquished By	THE RESIDENCE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN THE OWNER, THE PERSON N	Date Time:	Received By/Affillation	on
tion Date Time: Received By/.	ffiliation	Relinquished By	Affiliation	Date Time:	Received By/Affiliation	on

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Date 3/29/2017	Ft Bliss Biggs Airfield DAILY SUMMARY
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Type of Work	0	Comments	Dathy Namativa
Type of Work	Quantity	Comments	Daily Narrative Arrived on site 0630, Safety brief conducted by Gerry Hills, 9 attendees. Site specific topics: MEC safety,
			Heavy equipment safe operations, Hydration, sun protection. Continuing investigation of backhoe digs in
Surface Sweep Transect Linear ft	NA		OB/OD 1. Schedule for 3-30-2017: continue pit and trench investigation.
·			g
DGM Transect collected Linear ft	NA		
Point Anomalies Investigated ea.	NA		
Form Anomalies investigated ea.	INA		
Pit/Trench Anomalies Investigated	6		
ea.	O		
	NA		
Total Industrial debris recovered lbs	INA		
Total Material Documented As Safes			
(MDAS) recovered today lbs	3		
(MDA3) recovered today ibs			
Total MPPEH Recovered lb.	NA		
Total WIFF LIT Necovered ib.	INA		
Muntions Identified			
MEC found today (ea)	NA		
MEC Turned over today (ea)	NA NA		
MEC fulfied over today (ea)	INA		
		<u> </u>	
Instructions Received From			
Customer Representative			
•			!



		<u>320</u>	J-Z DAILT	<u> </u>	UALITY CC	NIKUL KE	OKI				
Daily Report	Number:	21003-000	3/019		DAY	Wednesday	Date:		March 29, 20	17	
Project Title:	_	RI at Biggs AAF (OB/OD Site 1 ar Ft Bliss, 1			F OB Site II	Contract N Task Orde		W91 Z LK-	13-D-0 03)003
Weather:	Clear	Partly Cloudy	Cloudy			Temperature:	54°F	Min.	68°F	Max	x.
Wind: Max Wind Sp	Calm peed:	_Breeze ' mph	☑ Windy		Precipitation: Weath	Rain er Information S	0 iource:	Snow www.accuy	0 weather.com	1	
1. Labor Sun	nmary - Con	tractor & Subcontra	ctor Supervision	on		onnel onsite and	Area of Res	ponsibility:			
Number		Name	Hours	L	Cumulative Hours	Employer		Area of Re	sponsibility		
1 2 3	ervision (b) (b)	(6) (6)	10.0 10.0 10.0		181.0 181.0 181.0	Cape Cape Cape		UXOSC	XOS VUXOQC CH III		
4 5 6 7	(b) (b)	0) (6) 0) (6) 0) (6)	10.0 10.0		181.0 181.0 1 5 4.0 181.0	Cape Cape Cape Cape		U X O U X O	Tech II Tech II Tech II Escort		
9 10 11	(b) (6)) (6)) (6)	10.0 70.0		181.0 119.0 47.0 1587.0	Parsons Parsons Parsons		Site/Project	echnician Geophysicis echnician	t	
(b) (6)	USAEC- S										
		Tools): shaded iten Model Number)	ns indicate equ Arrival Date	iip	ment that has Departure Date	Date of Last Check	nt and/or off Days on Rent	Hours Used	Hours Idle		lours epair
Chevy Silvera Chevy Silvera Nissan Titan 4 Cushman Hau	do- White - C do- Black - C 4x4 - Parsons Jler ATV (171 Jler ATV (168 10p Backhoe	ape ape 478 - Cape) 809 - Parsons)	3/3/2017 3/3/2017 2/28/2017 3/3/2017 3/3/2017 3/25/2017 2/28/2017 3/13/2017		Date	03/29/17 03/29/17 03/29/17 03/29/17 03/29/17 03/29/17 03/29/17 03/29/17	26 26 29 26 28 4 29	3 3 3 8 8	3 3 3 0 0		epaii
	ormed Toda	y: (Indicate location	and description	on	of work perfor	med by CAPE ar	nd/or Subcor	tractors. W	hen networ	k anal	lysis
		activity number) pit excavations of ID	numbers 22-01	, 2	2-02, 22-03 25-	01, 25-02 and 25-	03. No MEC	or MPPEH fo	ound.		



Daily Report Number: 21003-0003/019 DAY Wednesday Date: March 29, 2017

	Definable Features of Work (DFW)	Meetings / Inspections Completed					
	(21 22)	Preparatory Initial Follow-up					
а	Mobilization and Site Preparation	02/28/17	03/01/17	03/03/17			
b	Vegetation Removal	02/28/17	03/01/17	Task Complete 3-1			
С	DGM Operations	02/28/17	03/01/17	03/08/17			
d	Surface MEC Clearance	02/28/17	03/01/17	03/07/17			
е	Munitions Debris Removal and Disposal	02/28/17	03/01/17	03/08/17			
f	MPPEH Inspection and MD Turn-in	03/09/17	03/10/17	03/14/17			
g	Soil Sampling and Analysis	03/10/17	03/13/17	03/14/17			
h	Anomaly Reacquisition	03/16/17	03/17/17	03/20/17			
i	Subsurface Anomaly Investigation	03/16/17	03/20/17	03/21/17			
i	Demobilization						

ype of Sample	Sample Date	Sample ID No.	Analyses Requested	Date Sent to Lab	Matrix	Comments
Incremental	03/13/17	OBOD1-SU01-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/13/17	OBOD1-SU02-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/13/17	OBOD1-SU03-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU04-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU05-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU06-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU07-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	MS/MSD
Grab	03/14/17	EB-031417	Explosives, MC Metals, PAHs	03/14/17	W	
Incremental	03/15/17	OBOD1-AU01-SS-01	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU01-SS-02	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU01-SS-03	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU02-SS-01	PAHs	03/15/17	SO	MS/MSD
Incremental	03/15/17	OBOD1-AU03-SS-01	PAHs	03/15/17	SO	
Incremental	03/15/17	OBOD1-SU08-SS-01	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/15/17	OBOD1-SU08-SS-02	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/15/17	OBOD1-SU08-SS-03	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-01	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-02	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-03	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU02-SS-01	PAHs	03/16/17	SO	
Incremental	03/16/17	OB2-SU03-SS-01	PAHs	03/16/17	SO	MS/MSD
Incremental	03/16/17	OBOD1-SU09-SS-01	Explosives, MC Metals, PAHs, Ph	03/16/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-01-12"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-16"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-28"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Grab	03/27/17	EB-032717	Explosives, MC Metals, PAHs	03/27/17	W	
Discriminant	03/28/17	0B0D1-DF6-SS-02-14"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-02-52"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-15"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-42"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-54"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-10"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-31"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-43"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-17"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-47"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-59"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-13"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-38"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-50"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-6"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-24"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-36"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
mments:						

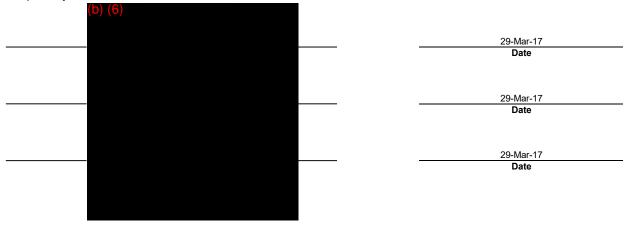


			21000000	201010	In and	114			1 00 0017
Daily Rep	ort Number:		21003-00	J3/019	DAY	Wednesday	Date:	M	arch 29, 2017
	tions Perform								
	ea / Work Elen				of Inspection on		Inspe	ection Results	(Accept / Reject)
Sub	surface Anoma	aly Investig	ation	Area 1, Pit ID	0's 22- 01, 22- 02, 2	25-02 and 22-03		Acce	ept
7. Materia	al Received: ((Note Insp	ection resu	ilts and storage	provided)				
								inspection	
								Results	
			Unit of		Cumulative			(Accept or	Complies with Buy
ltem	Descri	ption	Measure	Daily Quantity	Quantity	Storage Pro	vided	Reject)	American Act
а	None								
b									□Yes □No
C	1					1			□Yes □No
	1				I	1			
8 Trance	ortation and	Dienoealo	f Liquide (Solide Decombah	la Staal, and Go	vernment Propert	r		
Non-Ha	zardous Trans	enortation	and Dieno	solius, Recyclat	ne Steel, and Go	verninent Fropert	γ		
	te Type		Volume		ative Total	Transpo	rtor	I Dia	posal Facility
	None	Daily	volume	Cumura	ative rotal	rranspo	iter	Dis	posai racility
<u> </u>	None			+				+	
Bassala	ble Material T	vanen e vist	ion and N	n a d am ant					
	rial Type		Volume		ative Total	Tmnana	****	I Day	eiving Facility
		Daily	volume	Cumura	ative rotal	Transpo	rter	Rec	erving racinty
<u> </u>	l one								
—									
O Joh Co	fat / int its			imperior di cura cu	. d	ana takant			
	ions Conducti		ea, results,	instructions, ar	nd corrective acti	ons taken)			
			Firms Aid 12	A					
Personal F	PE .	X	First Aid K		X				
Vehicles Fire Exting	wichore	X	Electrical (Heavy Equ		X		\vdash		
					,	mised equipment,	orto.		
		violations,	corrective	illeasures, dam	aged or compro	misea equipment,	etc.		
a	None								
b c									
d	 								
e e	-								
_	ilasta Safeta	Mostine: 6	ummariaa	topics discusse	nd)				
						ieral Safety Forum.			
Subs' rub:	s anu nans, As	mesins, A6	mule Safety	r, mear oness, m	ousekeeping, Ger	iciai Salet y norum.			
<u> </u>									
—									
Mora all	l activitice car	nducted in	accordance	e with EM 385-1	1-12	XI YES I			
were all	i activities cor	nauctea In	accordance	-coc ni iniw s	I-17	V 1E9			



Daily Report Number:	21003-0003/019	DAY	Wednesday	Date:	March 29, 2017	, <u> </u>
	•	•		•	•	
Remarks: (Instructions received)	ed or given. Conflicts	in Plans and/or S	pecifications. Del	ays encountered)		
44 - Diagram I A. et al Carron (1 to 1 a carron	and a life of the second second					
11. Planned Activities: (List antici			•			
Continue subsurface anomaly investi	gation and soil sampling	of priority polygor	IS.			
12. Safety Hours:						
Daily safety hours including CAPE	and Subcontractors:	70.0	Number of On-	site Workdays:		19
Cumulative safety hours to date:		1587.0		since Start of Work:		30
		•			•	

Contractor's Verification: On behalf of the Contractor, I certify that this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as may be noted above.





TAILGATE SAFETY MEETING RECORD

Day / Date: Wednesday, March 29, 2017 Time: 0630

Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB

Project Number: W91ZLK-13-D-0003

Client: Ft. Bliss Location: Ft. Bliss, Texas

Specific Location: Biggs AAF, El Paso, Texas

Work Description: Subsurface Anomaly Investigation; Soil Sampling

Comments:

SAFETY TOPICS PRESENTED

Protective Clothing / Equipment: PPE Level D.

Chemical Hazards: SDS on file with UXOSO

Physical Hazards:

- I. Slips, trips and falls.
- 2. General Safety Forum
- 3. Heavy Equipment Safety

Emergency Procedures: Notify SUXOS and UXOSO immediately. Emergency medical assistance is requested through Base Operations Radio.

Emergency Hospital: William Beaumont Army Medical Center

Hospital Telephone: (915) 742-2121

Hospital Directions: Copy in each vehicle

Special Equipment:

Other: HYDRATE!

- 1. Heat stress.
- 2. Good housekeeping and hygiene.
- 3. Report all injuries to UXOSO, no matter how small they may be.

SAFETY MEETING ATTENDEES

Name Printed / Initial

Name Printed / Initial



320-1 SITE CONTROL LOG (SCL)

Contract Number:	W91ZLK-13-D-0003	Task Order No:	0003		
CAPE Project Number:	21003.003	Date:	March 29, 2017		
Project Location:	Ft.Bliss, TX				
Project Description:	RI at Biggs OB/OD Site I and SI at Biggs OB Site II				

TIME			
IN) (6)	ORGANIZATION
0630	1200		Care-
0630	1700		CAPE.
0,30	1700		000
0630	1700		CAAST
0630 630 630 tol30	1700		CAUK PARSONS CAPE
0450	1700 1700		PARSO US
0630	1700		CAPE
-			
<u></u>	<u> </u>		
·······			
		1	



SITE CONTROL LOG FOR VISITORS

Date / Day / Time:	MAZCH 29, 2017
Project Name:	RI BIGGE AAF SITE I
Project Location:	F4 BLISS, TX

Ti	me		
In	Out	Name	Organization
693¢	1045	(b) (6)	USAFC
			CI SAFE
			,
			,
<u> </u>	1		
	<u> </u>		
	,		
<u> </u>			
		-	
	<u> </u>	<u> </u>	<u> </u>



MDAS Accumulation Form for Drum/Container Number: $\underline{\mathbf{1}}$

Date	Description/NIIN	Qty (lbs)	Type of Treatment*
16-Mar-17	20mm Projectiles	32	
16-Mar-17	37mm Cartridge Cases & Flash Tubes	38	
16-Mar-17	Small Arms Projectiles	40	
16-Mar-17	Engine Starter Cart	1	
16-Mar-17	2.36 Rocket Motor	1	
16-Mar-17	2.75" FFAR Shorting Caps	1	
16-Mar-17	Frag	8	
16-Mar-17	Fuze Parts	4	
20-Mar-17	40mm Flare Case	0.25	
20-Mar-17	20mm Projectiles & Case	1	
20-Mar-17	37mm Flash Tubes	0.75	
20-Mar-17	Small Arms Projectiles	3	
20-Mar-17	Frag	5	
21-Mar-17	20mm Projectiles	5	
21-Mar-17	37mm Cartridge Case, Mk3A2	4	
21-Mar-17	Frag	7	
21-Mar-17	Pusher Plate	1	
27-Mar-17	Small Arms Projectiles & Cases	1	
28-Mar-17	Small Arms Projectiles & Cases	1	
28-Mar-17	20mm Projectiles & Cases	0.5	
28-Mar-17	Frag	0.5	
29-Mar-17	M1A1 Spotting Charge Part	0.5	
29-Mar-17	3.5" Rocket Fin Shroud	0.5	
29-Mar-17	Frag	1	
29-Mar-17	20mm Projectiles & Cases	1	
		1	
		1	
		1	
		1	
		 	
		+ +	
		+ +	
		+ +	
	Total	158	

^{*}If Applicable

Certification Signatures on Reverse



"The material listed on this form has been inspected or processed by DDESB-approved means, as required by DoD policy, and to the best of knowledge and belief does not pose an explosive hazard"

CERTIFIER	(6)			
Signature :		Date:	3/29/2017	
Printed Name:	(b) (6)			
Position:	UXOSO/UXOQC			
Organization Name:	Cape Environmental Management			
Organization Address:	500 Pinnacle Ct, Suite 100, Norcross, GA 30071			
Organization Phone	Number: (b) (6)			
VERIFIER	(b) (6)			
Signature :		Date:	3/29/2017	
Printed Name:	(b) (6)			
Position:	SUXOS			
Organization Name:	Cape Environmental Management			
Organization Address:	500 Pinnacle Ct, Suite 100, Norcross, GA 30071			
Organization Phone	Number: (b) (6)			

EXPLOSIVE ORDNANCE INCIDI	NT REPORT	1. UNIT NUMBER 734-036-17		2. CONTROL NUMB 3-142-17	ER	3. UNUSUAL	
For use of this form, see PAM 2	•	75 7 050 17	ľ	5-112 17		4. ROUTINE	X
the proponent agency is OTJA		INVESTIGATION OF THE PROPERTY	1717101				
		INITIAL INFOR	MATION				
5. DATE/TIME REPORTED 9. INCIDENT LOCATION Gate #13, FBTX, 79916 13R CR 68696 24888				11. ITEM(S) REPO 20 mm Projecti 37mm Projectil	le	•	
6. REPORTED BY Fernando; Range OPS	15K CK 0007	0 24000		37mm rojecti			
7. PHONE NUMBER (b) (6) 0	10. POINT OF C Fernando						
8. ADDRESS Gate #13, FBTX, 79916	Range Operat	or					
	SECTION	B: ACTION BY	EOD				
12. PERSONNEL DISPATCHED	13. DATE/TIME		1	AVEL DATA	15.	WORK HOURS	
(6)	A. DPRT 101022T	NAD 17	A. All	R: FLYING TIME	A.	TRAVEL	
	B. ARR	IVIANT /				1:22	
	101031T	MAR17	B. VE	H: MILEAGE	B.	INCIDENT	
	C. COMPL						
	101444T			84		3:00	
16. CONFIRMED IDENTIFICATION 8x US PROJECTILE, 37MM, TP, M63	MOD 1	17. DISPOSITIO		ntion			
8x US FUZES, PROJECTILE, BD, M3		Disposed of 0	y detona	HIOH			
1x US PROJECTILE, 40MM, AA, MK							
22x M99, 20MM, TP	. 11						
18. INCIDENT NARRATIVE (INCLUDE ALL SIG							
On 10MAR17, the 734th EOD Response Team received a call from Range OPS to support a pick up of UXO from Cape Environmental. EOD Team departed for the scene on 101022TMAR17 and arrived on-scene on 101031TMAR17. Team was then taken to the reported items IVO Grid 13R CR 68696 24888. Team recovered 8x US PROJECTILE, 37MM, TP, M63 MOD 1, 8x US FUZES, PROJECTILE, BD, M38, 1x US PROJECTILE, 40MM, AA, MK II and 22x M99, 20MM, TP PROJECTILE. All items were deemed safe for transport. The items were transported to Range 30 McGregor Range Complex IVO Grid 13S CR 98755 44394 and disposed of by detonation at 101232TMAR17. Team leader cleared the site and no additional explosive hazards were found. EOD team was mission complete on 101444TMAR17.							
DTG Departed: 101022TMAR17 DTG Arrived: 101031TMAR17 DTG Completed: 101444TMAR17 SIR: NO GP POC:(719)526-8380 BN POC:(360)704-0992 CO POC:(915)568-4097 Explosive Accountability: DODIC QTY LOT# NOMENCLATURE M023 8 MA-08C035H033 CHG, DEMO BLOCK C-4 M112 M130 2 IR187G002-013 CAP, BLASTING ELECTRIC M6							
		C: AUTHENTIC					
19. NAME AND GRADE AND SIGNATURE OF			EPHONE	NO.	21. D/	ATE (YYYYMMDD)
19. NAME AND GRADE AND SIGNATORE OF	J.II. JOHNANDEN	i				20170310	-
	(h		(b) (6)				1 C v2 02E

DA FORM 3265, APR 2014

PREVIOUS EDITIONS ARE OBSOLETE

Date 3/30/2017	Ft Bliss Biggs Airfield DAILY SUMMARY
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Type of Work Quantity Comments Arrived on site 0830, Safety brief conducted by Gerry Hills, 7 attendees. Site specific topics: MEC safet Heavy equipment safe operations. Hydration, sun protection. Continuing investigation of backhoe digs in 0B(D 1. Schedule for 3-31-2917; continue pit and brench investigation of backhoe digs in 0B(D 1. Schedule for 3-31-2917; continue pit and brench investigation. Point Anomalies Investigated ea. NA	Type of Work	0	Comments	Daily Nametina
Surface Sweep Transect Linear ft NA Point Anomalies Investigated ea. Point Anomalies Investigated ea. NA No MPPEH or MEC found ea. Total Industrial debris recovered lbs Total Material Documented As Safes (MDAS) recovered lb. MA Munitions (Identified MecCound today (ea) NA MEC Turned over today (ea) N	Type of work	Quantity	Comments	
Surface Sweep Transect Linear ft DGM Transect collected Linear ft NA Point Anomalies Investigated ea. No MPPEH or MEC found ea. Total Industrial debris recovered lbs No MPPEH point Anomalies Investigated ea. Total Material Documented As Safes (MDAS) recovered today (sa) Munitions Identified MEC found today (sa) MEC Turned over today (sa) NA Instructions Received From				Heavy equipment safe operations. Hydration, sun protection, Continuing investigation of backhoe digs in
Point Anomalies Investigated ea. Pit/Trench Anomalies Investigated ea. One of the control of t	Surface Sweep Transect Linear ft	NA		OB/OD 1. Schedule for 3-31-2017: continue pit and trench investigation.
Point Anomalies Investigated ea. Pit/Trench Anomalies Investigated ea. One of the control of t				
Point Anomalies Investigated ea. Pit/Trench Anomalies Investigated ea. One of the control of t				
Pit/Trench Anomalies Investigated 6 No MPPEH or MEC found ea. Total Industrial debris recovered libs NA Total Material Documented As Safes (MDAS) recovered today libs Total MPPEH Recovered lib. NA Muntions Identified MEC found today (ea) NA MEC Turned over today (ea) NA Instructions Received From	DGM Transect collected Linear ft	NA		
Pit/Trench Anomalies Investigated 6 No MPPEH or MEC found ea. Total Industrial debris recovered libs NA Total Material Documented As Safes (MDAS) recovered today libs Total MPPEH Recovered lib. NA Muntions Identified MEC found today (ea) NA MEC Turned over today (ea) NA Instructions Received From				
Pit/Trench Anomalies Investigated 6 No MPPEH or MEC found ea. Total Industrial debris recovered libs NA Total Material Documented As Safes (MDAS) recovered today libs Total MPPEH Recovered lib. NA Muntions Identified MEC found today (ea) NA MEC Turned over today (ea) NA Instructions Received From				
Total Industrial debris recovered lbs NA Total Material Documented As Safes (MDAS) recovered today lbs Total MPPEH Recovered lb. NA Muntions Identified MEC found today (ea) NA MEC Turned over today (ea) NA Instructions Received From	Point Anomalies Investigated ea.	NA		
Total Industrial debris recovered lbs NA Total Material Documented As Safes (MDAS) recovered today lbs Total MPPEH Recovered lb. NA Muntions Identified MEC found today (ea) NA MEC Turned over today (ea) NA Instructions Received From				
Total Industrial debris recovered lbs NA Total Material Documented As Safes (MDAS) recovered today lbs Total MPPEH Recovered lb. Muntions Identified MEC found today (ea) MEC Turned over today (ea) NA MEC Turned over today (ea) NA Instructions Received From	Pit/Trench Anomalies Investigated	-	No MPPEH or MEC found	
Total Material Documented As Safes (MDAS) recovered today lbs Total MPPEH Recovered lb. NA Muntions Identified MEC found today (ea) NA MEC Turned over today (ea) NA Instructions Received From		6		
Total Material Documented As Safes (MDAS) recovered today lbs Total MPPEH Recovered lb. NA Muntions Identified MEC found today (ea) NA MEC Turned over today (ea) NA Instructions Received From				
Total Material Documented As Safes (MDAS) recovered today lbs Total MPPEH Recovered lb. NA Muntions Identified MEC found today (ea) NA MEC Turned over today (ea) NA Instructions Received From		NA		
(MDAS) recovered today ibs Total MPPEH Recovered ib. NA Muntions Identified MEC found today (ea) NA MEC Turned over today (ea) NA Instructions Received From	l otal industrial debris recovered ibs			
(MDAS) recovered today ibs Total MPPEH Recovered ib. NA Muntions Identified MEC found today (ea) NA MEC Turned over today (ea) NA Instructions Received From				-
(MDAS) recovered today ibs Total MPPEH Recovered ib. NA Muntions Identified MEC found today (ea) NA MEC Turned over today (ea) NA Instructions Received From	Total Material Documented As Safes	9		
Muntions Identified MEC found today (ea) MEC Turned over today (ea) NA MEC Turned over today (ea) NA Instructions Received From	(MDAS) recovered today lbs	ŭ		
Muntions Identified MEC found today (ea) MEC Turned over today (ea) NA MEC Turned over today (ea) NA Instructions Received From				
MEC found today (ea) MEC Turned over today (ea) NA MEC Turned over today (ea) NA Instructions Received From	Total MPPEH Recovered lb.	NA		
MEC found today (ea) MEC Turned over today (ea) NA MEC Turned over today (ea) NA Instructions Received From				
MEC Turned over today (ea) NA Instructions Received From				
Instructions Received From				_
	MEC Turried over today (ea)	NA		-
				-
				1
	Instructions Received From			-
·				
				1



Daily Report I	Number:	21003-000	3/020	DAY	Thursday	Date:		March 30, 20	117
Project Title:		RI at Biggs AAF (DB/OD Site 1	and SI at Biggs AAI	F OB Site II	Contract N	o.:	W91ZLK-	13-D-0003
			Ft Bliss, Texas		Task Order No.:		0003		
Weather:	√Clear	Partly Cloudy	□¤oudy		Temperature:	44°F	Min.	80°F	Max.
Wind: Max Wind Spe	□Calm sed:	Preeze 24 mph	☑ Windy	Precipitation: Weati	Rain ner Information S	ource:	Snow www.accu	o lweather.com	<u>-</u>

umber	Name	Hours	Cumulative Hours	Employer	Area of Responsibility
APE Supervis	sion				
1	(b) (6)	10.0	191.0	Cape	SUXOS
2	(b) (6) (b) (6)	10.0	191.0	Cape	UXOSO/UXOQC
3	(b) (6)	10.0	191.0	Cape	TECH III
	1-, 1-,				
4	(b) (6)	10.0	191.0	Cape	UXO Tech II
5	76 76	10.0	191.0	Cape	UXO Tech II
6			154.0	Cape	UXO Tech II
7	(b) (6)	10.0	191.0	Cape	UXO Escort
8	10/ (0/				
9	(b) (6)	10.0	191.0	Parsons	Field Technician
10	(b) (6) (c) (d) (d) (d) (d) (d)		119.0	Parsons	Site/Project Geophysicist
11	(3) (3)		47.0	Parsons	Field Technician
	Total Hours:	70.0	1657.0		
Comments (Lis	st any Visitors to Project	and purpose of Vis	it):		

2. Equipment (Not Hand Tools): shaded ite	ms indicate equi						
	11 1	Departure		Days on	Hours	Hours	Hours
Description (Make and Model Number)	Arrival Date	Date	Check	Rent	Used	ldle	Repair
Chevy Silverado- White - Cape	3/3/2017		03/30/17	27	3	5	
Chevy Silverado- Black - Cape	3/3/2017		03/30/17	27	3	5	
Nissan Titan 4x4 - Parsons	2/28/2017		03/30/17	30	3	5	
Cushman Hauler ATV (171478 - Cape)	3/3/2017		03/30/17	27	8	0	
Cushman Hauler ATV (168809 - Parsons)	3/1/2017		03/30/17	29	8	0	
John Deere 310p Backhoe	3/25/2017		03/30/17	5	8	0	
RTK GPS	2/28/2017		03/30/17	30	0	8	
EM61 Portable Array	3/13/2017		03/30/17	18	0	8	
Comments:							
3. Work Performed Today: (Indicate location	on and description	n of work perfo	rmed by CAPE ar	nd/or Subcon	itractors. W	hen network	analysis
is used, identify work by activity number)							-
a Completed test pit excavations of II	O numbers 17-01,	18-01, 18-02, 20	-01, 20-02 and 20-	-03. No MEC	or MPPEH 1	ound.	
b Colected soil samples from pit numbers 18-01, 20-01, and 20-02,							
C C		,					
q							
e							
f f							
a l							
h h							
"							

	Definable Features of Work (DFW)	Meetings / Inspections Completed				
		Preparatory	Initial	Follow-up		
а	Mobilization and Site Preparation	02/28/17	03/01/17	03/03/17		
b	Vegetation Removal	02/28/17	03/01/17	Task Complete 3-1		
С	DGM Operations	02/28/17	03/01/17	03/08/17		
d	Surface MEC Clearance	02/28/17	03/01/17	03/07/17		
е	Munitions Debris Removal and Disposal	02/28/17	03/01/17	03/08/17		
f	MPPEH Inspection and MD Turn-in	03/09/17	03/10/17	03/14/17		
g	Soil Sampling and Analysis	03/10/17	03/13/17	03/14/17		
ĥ	Anomaly Reacquisition	03/16/17	03/17/17	03/20/17		
i	Subsurface Anomaly Investigation	03/16/17	03/20/17	03/21/17		
i	Demobilization		1			



DAY Date: Daily Report Number: Thursday Tests Performed and Test Results **Laboratory Analytical Testing:** Date Sent Sample Sample ID No. Matrix Comments Type of Sample Analyses Requested <u>Date</u> to Lab Explosives, MC Metals, PAHs, pH OBOD1-SU01-SS-01 SO Incremental 03/13/17 03/13/17 OBOD1-SU02-SS-01 Explosives, MC Metals, PAHs, pH 03/14/17 SO Incremental OBOD1-SU03-SS-01 Explosives, MC Metals, PAHs, pH 03/14/17 Incremental 03/13/17 SO 03/14/17 Incremental 03/14/17 OBOD1-SU04-SS-01 Explosives, MC Metals, PAHs, pH SO Explosives, MC Metals, PAHs, pH 03/14/17 OBOD1-SU05-SS-01 03/14/17 SO Incremental 03/14/17 SO Incremental 03/14/17 OBOD1-SU06-SS-01 Explosives, MC Metals, PAHs, pH Incremental 03/14/17 OBOD1-SU07-SS-01 Explosives, MC Metals, PAHs, pH 03/14/17 SO MS/MSD 03/14/17 EB-031417 Explosives, MC Metals, PAHs 03/14/17 W Grab PAHs 03/15/17 03/15/17 OBOD1-AU01-SS-01 SO field triplicate Incremental PAHs 03/15/17 SO 03/15/17 OBOD1-AU01-SS-02 Incremental field triplicate Incremental 03/15/17 OBOD1-AU01-SS-03 PAHs 03/15/17 SO field triplicate 03/15/17 OBOD1-AU02-SS-01 PAHs 03/15/17 SO MS/MSD Incremental 03/15/17 OBOD1-AU03-SS-01 PAHs 03/15/17 SO Incremental OBOD1-SU08-SS-01 Explosives, MC Metals, PAHs, pH 03/16/17 SO field triplicate Incremental 03/15/17 03/16/17 03/15/17 OBOD1-SU08-SS-02 Explosives, MC Metals, PAHs, pH SO Incremental field triplicate OBOD1-SU08-SS-03 Explosives, MC Metals, PAHs, pH 03/16/17 SO Incremental 03/15/17 field triplicate 03/16/17 SO OB2-SU01-SS-01 **PAHs** Incremental 03/16/17 field triplicate 03/16/17 Incremental 03/16/17 OB2-SU01-SS-02 PAHs SO field triplicate PAHs 03/16/17 OB2-SU01-SS-03 03/16/17 SO Incremental field triplicate SO 03/16/17 OB2-SU02-SS-01 PAHs 03/16/17 Incremental Incremental 03/16/17 OB2-SU03-SS-01 PAHs 03/16/17 SO MS/MSD 03/16/17 OBOD1-SU09-SS-01 Explosives, MC Metals, PAHs, Ph 03/16/17 SO Incremental SO 03/27/17 OBOD1-DF29-SS-01-12 Explosives, MC Metals, PAHs, Ph 03/27/17 Discriminant SO SO Explosives, MC Metals, PAHs, Ph 03/27/17 03/27/17 OBOD1-DF29-SS-02-16" Discriminant 03/27/17 Explosives, MC Metals, PAHs, Ph Discriminant 03/27/17 OBOD1-DF29-SS-02-28" 03/27/17 Discriminant 03/27/17 OBOD1-DF29-SS-02-40" Explosives, MC Metals, PAHs, Ph SO W EB-032717 Explosives, MC Metals, PAHs 03/27/17 Grab 03/27/17 Explosives, MC Metals, PAHs, Ph Discriminant 0B0D1-DF6-SS-02-14" 03/28/17 SO 03/28/17 0B0D1-DF6-SS-02-40" 03/28/17 SO Discriminant 03/28/17 Explosives, MC Metals, PAHs, Ph 0B0D1-DF6-SS-02-52" Explosives, MC Metals, PAHs, Ph 03/28/17 SO Discriminant 03/28/17 0B0D1-DF6-SS-01-15 Explosives, MC Metals, PAHs, Ph 03/28/17 SO 03/28/17 Discriminant 03/28/17 SO 0B0D1-DF6-SS-01-42" Discriminant 03/28/17 Explosives, MC Metals, PAHs, Ph Discriminant 03/28/17 0B0D1-DF6-SS-01-54" Explosives, MC Metals, PAHs, Ph 03/28/17 SO 03/29/17 0B0D1-DF25-SS-02-10" Explosives, MC Metals, PAHs, Ph 03/29/17 SO Discriminant Discriminant 03/29/17 0B0D1-DF25-SS-02-31" Explosives, MC Metals, PAHs, Ph 03/29/17 SO Discriminant 03/29/17 0B0D1-DF25-SS-02-43" Explosives, MC Metals, PAHs, Ph 03/29/17 SO 03/29/17 0B0D1-DF25-SS-03-17" Explosives, MC Metals, PAHs, Ph 03/29/17 SO Discriminant 0B0D1-DF25-SS-03-47 03/29/17 Explosives, MC Metals, PAHs, Ph 03/29/17 SO Discriminant 0B0D1-DF25-SS-03-59" Explosives, MC Metals, PAHs, Ph 03/29/17 SO Discriminant 03/29/17 03/29/17 0B0D1-DF22-SS-01-13" Discriminant 03/29/17 Explosives, MC Metals, PAHs, Ph SO Discriminant 03/29/17 0B0D1-DF22-SS-01-38" Explosives, MC Metals, PAHs, Ph 03/29/17 SO Discriminant 03/29/17 0B0D1-DF22-SS-01-50" Explosives, MC Metals, PAHs, Ph 03/29/17 SO SO Discriminant 03/29/17 0B0D1-DF22-SS-02-6" Explosives, MC Metals, PAHs, Ph 03/29/17 0B0D1-DF22-SS-02-24" 03/29/17 03/29/17 Explosives, MC Metals, PAHs, Ph SO Discriminant 03/29/17 0B0D1-DF22-SS-02-36" Explosives, MC Metals, PAHs, Ph 03/29/17 SO Discriminant SO 0B0D1-DF18-SS-01-15" Explosives, MC Metals, PAHs, Ph 03/30/17 03/30/17 Discriminant Explosives, MC Metals, PAHs, Ph 03/30/17 0B0D1-DF18-SS-01-43" SO Discriminant 03/30/17 0B0D1-DF18-SS-01-55" 03/30/17 SO Discriminant 03/30/17 Explosives, MC Metals, PAHs, Ph Explosives, MC Metals, PAHs, Ph SO Discriminant 03/30/17 0B0D1-DF20-SS-01-17" 03/30/17 Discriminant 03/30/17 0B0D1-DF20-SS-01-34" Explosives, MC Metals, PAHs, Ph 03/30/17 SO MS/MSD 0B0D1-DF20-SS-01-46" Explosives, MC Metals, PAHs, Ph 03/30/17 SO Discriminant 03/30/17 03/30/17 0B0D1-DF20-SS-02-8" Explosives, MC Metals, PAHs, Ph SO Discriminant 03/30/17 SO 0B0D1-DF20-SS-02-28" Explosives, MC Metals, PAHs, Ph Discriminant 03/30/17 Explosives, MC Metals, PAHs, Ph 03/30/17 0B0D1-DF20-SS-02-40" SO Discriminant 03/30/17 03/30/17 Discriminant 03/30/17 0B0D1-DF20-SS-03-8" Explosives, MC Metals, PAHs, Ph SO Discriminant 03/30/17 0B0D1-DF20-SS-04-17" Explosives, MC Metals, PAHs, Ph 03/30/17 SO Comments: Inspections Performed and Inspection Results Area / Work Element Inspected Location of Inspection on Project Site Inspection Results (Accept / Reject) Area 1, Pit ID's 18-01, 18-02 and 20-03 Subsurface Anomaly Investigation Accept



Daily Rep	ort Number:		21003-000	03/020	DAY	Thursday	Date:	М	arch 30, 201	.7
			4.							
7. Materia	al Received:	(Note Insp		its and storage	provided)		П	inspection Results		
Item	Descri	ntion	Unit of	Daily Quantity	Cumulative Quantity	Storage Pi	habitan	(Accept or Reject)		with Buy an Act
a	None	PLIOII	Measure	Daily Quarticly	Quantity	Storage Fi	Vilded	Rejecti	∐Yes	_\no
b									∐r/es	_No
С									Yes	□No
8. Transp	ortation and	Disposal o	f Liquids, 9	olids, Recycla	ble Steel, and Go	vernment Prope	rty:			
Non-Ha	zardous Tran:	sportation	and Dispos	al						
	ste Type None	Daily	Volume	Cumula	ative Total	Transp	orter	Dis	posal Facil	ity
Recycla	ible Material T	ransporta	tion and Ma	nagem ent						
	rial Type		Volume		ative Total	Transp	orter	Red	eiving Faci	lity
	Vone									
	afety: (List ite ions Conduct		ed, results,	instructions, a	nd corrective act	ions taken)				
Personal F		eu. X	First Aid Ki	ts	X		T		Т	
Vehicles	nu i oba -o	X	Electrical C		Х					
Fire Exting		X violations.	Heavy Equ corrective		X X	mised equipmen	t. etc.			
а	None			·						
b C										
d										
e Daily Ta	ailgate Safety	Meeting: (:	summarize	topics discuss	ed)					
					ousekeeping, Eye	and Face Protect	ion (Corporate	e)		
Were all	l activities co	nducted in	accordanc	e with EM 385-	1-1?	YES				
					-					
10. Rema	arks: (Instruc	tions recei	vea or give	n. Conflicts in	Plans and/or Spe	ecifications. Dei	ays encounte	erea)		
					next day of work)				
Continue s	subsurface and	omaly inves	tigation and	soil sampling of	priority polygons.					
12. Safet	y Hours: fety hours inclu	ıdına CAPE	and Subco	ntractors:	70.0	Number of On-s	site Workdays			20
	tive safety hou	_	. ana cabco	TEL GOLDIO.	1657.0	Calendar Days				31
	performed duri				y that this report is nce with the contra					sed
	() ()									
								30-Ma Da r		
								30-Ma		
								30-Ma		



TAILGATE SAFETY MEETING RECORD

Day / Date: Thursday, March 30, 2017 Time: 0630 Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB Project Number: W91ZLK-13-D-0003 Client: Ft. Bliss Location: Ft. Bliss, Texas Specific Location: Biggs AAF, El Paso, Texas Work Description: Subsurface Anomaly Investigation; Soil Sampling Comments: SAFETY TOPICS PRESENTED Protective Clothing / Equipment: PPE Level D. Chemical Hazards: SDS on file with UXOSO Physical Hazards: Slips, trips and falls. 2. Eye and Face Protection (Corporate Topic) 3. Heavy Equipment Safety Emergency Procedures: Notify SUXOS and UXOSO immediately. Emergency medical assistance is requested through Base Operations Radio. Emergency Hospital: William Beaumont Army Medical Center Hospital Telephone: (915) 742-2121 Hospital Directions: Copy in each vehicle Special Equipment: Other: HYDRATE! 1. Heat stress. 2. Good housekeeping and hygicne. 3. Report all injuries to UXOSO, no matter how small they may be. SAFETY MEETING ATTENDEES Name Printed / Initial Name Printed / Initial



320-1 SITE CONTROL LOG (SCL)

Contract Number:	W91ZLK-13-D-0003	Task Order No:	0003	
CAPE Project Number:	21003.003	Date:	March 30, 2017	
Project Location:	Ft.Bliss, TX			
Project Description:	RI at Biggs OB/OD Site I and SI at Biggs OB Site II			

TII	ME		
IN	OUT	NAME	ORGANIZATION
6630	1700 (b) (6)	Cape Evisors CAPE
1630	1700		1005625
0630	1700		C-1550
0630 0630 0630	1700		CAPE
0630	1700		00,70
PC3=	1700		CAPE
0630	1700		CAPE
	<u> </u>		



MDAS Accumulation Form for Drum/Container Number: $\underline{\mathbf{1}}$

Date	Description/NIIN	Qty (lbs)	Type of Treatment*
16-Mar-17	20mm Projectiles	32	
16-Mar-17	37mm Cartridge Cases & Flash Tubes	38	
16-Mar-17	Small Arms Projectiles	40	
16-Mar-17	Engine Starter Cart	1	
16-Mar-17	2.36 Rocket Motor	1	
16-Mar-17	2.75" FFAR Shorting Caps	1	
16-Mar-17	Frag	8	
16-Mar-17	Fuze Parts	4	
20-Mar-17	40mm Flare Case	0.25	
20-Mar-17	20mm Projectiles & Case	1	
20-Mar-17	37mm Flash Tubes	0.75	
20-Mar-17	Small Arms Projectiles	3	
20-Mar-17	Frag	5	
21-Mar-17	20mm Projectiles	5	
21-Mar-17	37mm Cartridge Case, Mk3A2	4	
21-Mar-17	Frag	7	
21-Mar-17	Pusher Plate	1	
27-Mar-17	Small Arms Projectiles & Cases	1	
28-Mar-17	Small Arms Projectiles & Cases	1	
28-Mar-17	20mm Projectiles & Cases	0.5	
28-Mar-17	Frag	0.5	
29-Mar-17	M1A1 Spotting Charge Part	0.5	
29-Mar-17	3.5" Rocket Fin Shroud	0.5	
29-Mar-17	Frag	1	
29-Mar-17	20mm Projectiles & Cases	1	
30-Mar-17	20mm Projectiles & Cases	4	
30-Mar-17	Frag	4	
30-Mar-17	Small Arms Projectiles & Cases	1	
		1	
		1	
		1	
		 	
		+ +	
		+ +	
		+ +	
İ	Total	167	
	- 		

^{*}If Applicable

Certification Signatures on Reverse



"The material listed on this form has been inspected or processed by DDESB-approved means, as required by DoD policy, and to the best of knowledge and belief does not pose an explosive hazard"

CERTIFIER							
Signature :		Date:	3/30/2017				
Printed Name:	(b) (6)						
Position:	UXOSO/UXOQC						
Organization Name:	Cape Environmental Management						
Organization Address:	Organization Address: 500 Pinnacle Ct, Suite 100, Norcross, GA 30071						
Organization Phone	Number: (b) (6)						
VERIFIER	(b) (6)						
Signature :		Date:	3/30/2017				
Printed Name:	(b) (6)						
Position:	suxos						
Organization Name:	Cape Environmental Management						
Organization Address:	Organization Address: 500 Pinnacle Ct, Suite 100, Norcross, GA 30071						
Organization Phone Number: (b) (6)							



HEAVY EQUIPMENT INSPECTION REPORT

Date / Day:	Thursday, March 30, 2017	
Project Name: RI Biggs AAF Site 1		
Project Location: Biggs AAF, El Paso, Texas		
Equipment Type: Backhoe		
Mfr / Model:	John Deere 310EP	

		Observations
Inspection Description	Checked	(readings, levels, condition, damage, repairs needed)
General appearance	-	
Hour meter reading		2572.7
Engine operation / check belts		
Engine oil / water level		
Transmission oil level	· · · ·	
Hydraulic / misc. oil level	2.5	
Brake operation / fluid level		
Grease	2	
Batteries		
Fuel level (gas / diesel)	V	
Hoses & fittings (air, hydraulic)	200	
Operation / controls	4	·
Tires / tracks		
Cab (mirrors, seatbelt, glass, horn, turn signals, lights, wipers)	200	
Back-up lights and alarm	-	
Fire extinguisher condition	1	
Coupling devices and connectors	D'	
Exhaust system		
Blade / boom / bucket	1	
Frame, ladders and walkway	V	
Steering		

Defects and Repairs Needed / Comments:

Inspected By:	Signature:
(b) (6)	

Date 3/31/2017	Ft Bliss Biggs Airfield DAILY SUMMARY
----------------	---------------------------------------

Type of Work	Quantity	Comments
Surface Sweep Transect Linear ft	NA	
DGM Transect collected Linear ft	NA	
Point Anomalies Investigated ea.	NA	
Pit/Trench Anomalies Investigated ea.	1	No MPPEH or MEC found
Total Industrial debris recovered lbs	NA	
Total Material Documented As Safes (MDAS) recovered today lbs	4	
Total MPPEH Recovered lb.	NA	
Total IIII 1 Eli 1 (coovered ib.	INA	
Muntions Identified		
MEC found today (ea)	NA	
MEC Turned over today (ea)	NA	
Instructions Received From		
Customer Representative		

Daily Narrative

Arrived on site 0630, Safety brief conducted by Gerry Hills, 7 attendees. Site specific topics: MEC safety, Heavy equipment safe operations, Hydration, sun protection. Continuing investigation of backhoe digs in OB/OD 1. Schedule for 4-4-2017: continue pit and trench investigation. Photos attached at pages 23 thru 27 show items between the surface sweep lanes in OB/OD 1.



Daily Report	Number:	21003-0003/021		DAY	Friday		Date:		17	
Project Title:		RI at Biggs AAF OB/OD Site 1 and SI at Biggs AAF OB Site II					Contract No.:		W91ZLK-13-D-0003	
			Ft Bliss, Texas				der No.:	0003		
Weather:	√ Clear	Partly Cloudy	□Doudy		Temperature:	64°F	Min.	80°F	Max.	
 Wind: Max Wind Sp 	□Calm eed:	_Breeze 48 mph	✓ W ind y	Precipitation: Weath	Rain er Information S	0 iource:	Snow www.acci	o uweather.com		

umber	Name	Hours	Cumulative Hours	Employer	Area of Responsibility
APE Supervis	ion				
1	(b) (6)	6.0	197.0	Cape	SUXOS
2	(b) (6)	6.0	197.0	Cape	UXOSO/UXOQC
3	(b)\((6)\)	6.0	197.0	Cape	TECH III
	, , , , , , , , , , , , , , , , , , ,				
4	(b) (6)	6.0	197.0	Cape	UXO Tech II
5	76) 76)	6.0	197.0	Cape	UXO Tech II
6	(b) (6)		154.0	Cape	UXO Tech II
7	(b) (6)	6.0	197.0	Cape	UXO Escort
8	10/10/				
9	(b) (6)	6.0	197.0	Parsons	Field Technician
10	(b) (6) (b) (6)		119.0	Parsons	Site/Project Geophysicist
11	(6)		47.0	Parsons	Field Technician
	Total Hours:	42.0	1699.0		
Comments (Lis	t any Visitors to Project	and purpose of Vis	it):		

2. Equipment (Not Hand Tools): shaded items indicate equipment that has been taken off rent and/or offsite									
Description (Make and		Arrival Date	Departure Date	Date of Last Check	Days on Rent	Hours Used	Hours Idle	Hours Repair	
Chevy Silverado- White -		3/3/2017		03/31/17	28	3	5	1140	
Chevy Silverado- Black - (3/3/2017		03/31/17	28	3	5	+	
Nissan Titan 4x4 - Parson		2/28/2017		03/31/17	31	3	5		
Cushman Hauler ATV (17		3/3/2017		03/31/17	28	8	0		
Cushman Hauler ATV (16		3/1/2017		03/31/17	30	8	0		
John Deere 310p Backhoe		3/25/2017		03/31/17	6	8	0		
RTK GPS		2/28/2017		03/31/17	31	0	8		
EM61 Portable Array		3/13/2017		03/31/17	19	0	8		
		n and description	n ot work perto	rmed by CAPE an	id/or Subcor	ntractors. W	/hen networl	k analysis	
s used, identify work by	activity number)				id/or Subcor	ntractors. W	/hen networl	k analysis	
<mark>s used, identify work by</mark> a Completed test	activity number) t pit excavations of IC) numbers 17-02.			id/or Subcor	ntractors. W	/hen networl	k analysis	
s used, identify work by a Completed test b Collected soil s	activity number) t pit excavations of IC amples from pit num) numbers 17-02. bers 17-02.	No MEC or MPF		nd/or Subcor	ntractors. W	/hen networl	k analysis	
s used, identify work by a Completed test b Collected soil s c Site secured at	activity number) t pit excavations of IC) numbers 17-02. bers 17-02.	No MEC or MPF		ad/or Subcor	ntractors. W	/hen networl	k analysis	
s used, identify work by a Completed test b Collected soil s c Site secured at	activity number) t pit excavations of IC amples from pit num) numbers 17-02. bers 17-02.	No MEC or MPF		id/or Subco	ntractors. W	/hen networl	k analysis	
s used, identify work by a Completed test b Collected soil s c Site secured at	activity number) t pit excavations of IC amples from pit num) numbers 17-02. bers 17-02.	No MEC or MPF		id/or Subcor	ntractors. W	/hen networl	k analysis	
b Collected soil s c Site secured at d	activity number) t pit excavations of IC amples from pit num) numbers 17-02. bers 17-02.	No MEC or MPF		id/or Subcor	ntractors. W	/hen networi	k analysis	

4. Three Phase Control Activities Performed:									
	Definable Features of Work (DFW)	Meetings / Inspections Completed							
		Preparatory	Initial	Follow-up					
а	Mobilization and Site Preparation	02/28/17	03/01/17	03/03/17					
b	Vegetation Removal	02/28/17	03/01/17	Task Complete 3-1					
С	DGM Operations	02/28/17	03/01/17	03/08/17					
d	Surface MEC Clearance	02/28/17	03/01/17	03/07/17					
е	Munitions Debris Removal and Disposal	02/28/17	03/01/17	03/08/17					
f	MPPEH Inspection and MD Turn-in	03/09/17	03/10/17	03/14/17					
g	Soil Sampling and Analysis	03/10/17	03/13/17	03/31/17					
h	Anomaly Reacquisition	03/16/17	03/17/17	03/20/17					
i	Subsurface Anomaly Investigation	03/16/17	03/20/17	03/31/17					
j	Demobilization								



DAY Date: Daily Report Number: Friday Tests Performed and Test Results **Laboratory Analytical Testing:** Date Sent Sample Type of Sample Sample ID No Matrix Comments Analyses Requested <u>Date</u> to Lab Explosives, MC Metals, PAHs, pH OBOD1-SU01-SS-01 SO Incremental 03/13/17 03/13/17 OBOD1-SU02-SS-01 Explosives, MC Metals, PAHs, pH 03/14/17 SO Incremental OBOD1-SU03-SS-01 Explosives, MC Metals, PAHs, pH 03/14/17 Incremental 03/13/17 SO 03/14/17 Incremental 03/14/17 OBOD1-SU04-SS-01 Explosives, MC Metals, PAHs, pH SO Explosives, MC Metals, PAHs, pH 03/14/17 OBOD1-SU05-SS-01 03/14/17 SO Incremental OBOD1-SU06-SS-01 03/14/17 SO Incremental 03/14/17 Explosives, MC Metals, PAHs, pH Incremental 03/14/17 OBOD1-SU07-SS-01 Explosives, MC Metals, PAHs, pH 03/14/17 SO MS/MSD 03/14/17 EB-031417 Explosives, MC Metals, PAHs 03/14/17 W Grab PAHs 03/15/17 03/15/17 OBOD1-AU01-SS-01 SO field triplicate Incremental PAHs 03/15/17 SO OBOD1-AU01-SS-02 Incremental 03/15/17 field triplicate Incremental 03/15/17 OBOD1-AU01-SS-03 PAHs 03/15/17 SO field triplicate 03/15/17 OBOD1-AU02-SS-01 PAHs 03/15/17 SO MS/MSD Incremental 03/15/17 OBOD1-AU03-SS-01 PAHs 03/15/17 SO Incremental OBOD1-SU08-SS-01 Explosives, MC Metals, PAHs, pH 03/16/17 SO field triplicate Incremental 03/15/17 03/16/17 03/15/17 OBOD1-SU08-SS-02 Explosives, MC Metals, PAHs, pH SO Incremental field triplicate OBOD1-SU08-SS-03 Explosives, MC Metals, PAHs, pH 03/16/17 SO 03/15/17 field triplicate Incremental 03/16/17 SO OB2-SU01-SS-01 **PAHs** Incremental 03/16/17 field triplicate 03/16/17 Incremental 03/16/17 OB2-SU01-SS-02 PAHs SO field triplicate 03/16/17 OB2-SU01-SS-03 **PAHs** 03/16/17 SO Incremental field triplicate SO 03/16/17 OB2-SU02-SS-01 PAHs 03/16/17 Incremental Incremental 03/16/17 OB2-SU03-SS-01 PAHs 03/16/17 SO MS/MSD 03/16/17 OBOD1-SU09-SS-01 Explosives, MC Metals, PAHs, Ph 03/16/17 SO Incremental 03/27/17 OBOD1-DF29-SS-01-12 Explosives, MC Metals, PAHs, Ph 03/27/17 SO Discriminant Explosives, MC Metals, PAHs, Ph 03/27/17 SO 03/27/17 OBOD1-DF29-SS-02-16" Discriminant SO 03/27/17 Explosives, MC Metals, PAHs, Ph Discriminant 03/27/17 OBOD1-DF29-SS-02-28" 03/27/17 Discriminant 03/27/17 OBOD1-DF29-SS-02-40" Explosives, MC Metals, PAHs, Ph SO EB-032717 Explosives, MC Metals, PAHs 03/27/17 W Grab 03/27/17 Explosives, MC Metals, PAHs, Ph Discriminant 0B0D1-DF6-SS-02-14" 03/28/17 SO 03/28/17 0B0D1-DF6-SS-02-40" 03/28/17 SO Discriminant 03/28/17 Explosives, MC Metals, PAHs, Ph 0B0D1-DF6-SS-02-52" Explosives, MC Metals, PAHs, Ph 03/28/17 SO Discriminant 03/28/17 0B0D1-DF6-SS-01-15 Explosives, MC Metals, PAHs, Ph 03/28/17 SO 03/28/17 Discriminant 03/28/17 SO 0B0D1-DF6-SS-01-42" Discriminant 03/28/17 Explosives, MC Metals, PAHs, Ph Discriminant 03/28/17 0B0D1-DF6-SS-01-54" Explosives, MC Metals, PAHs, Ph 03/28/17 SO 03/29/17 0B0D1-DF25-SS-02-10" Explosives, MC Metals, PAHs, Ph 03/29/17 SO Discriminant 03/29/17 Discriminant 0B0D1-DF25-SS-02-31" Explosives, MC Metals, PAHs, Ph 03/29/17 SO Discriminant 03/29/17 0B0D1-DF25-SS-02-43" Explosives, MC Metals, PAHs, Ph 03/29/17 SO 03/29/17 0B0D1-DF25-SS-03-17" Explosives, MC Metals, PAHs, Ph 03/29/17 SO Discriminant 0B0D1-DF25-SS-03-47 03/29/17 Explosives, MC Metals, PAHs, Ph 03/29/17 SO Discriminant Explosives, MC Metals, PAHs, Ph 03/29/17 SO 0B0D1-DF25-SS-03-59" Discriminant 03/29/17 03/29/17 0B0D1-DF22-SS-01-13" Discriminant 03/29/17 Explosives, MC Metals, PAHs, Ph SO Discriminant 03/29/17 0B0D1-DF22-SS-01-38" Explosives, MC Metals, PAHs, Ph 03/29/17 SO Discriminant 0B0D1-DF22-SS-01-50" Explosives, MC Metals, PAHs, Ph 03/29/17 SO 03/29/17 03/29/17 SO Discriminant 03/29/17 0B0D1-DF22-SS-02-6" Explosives, MC Metals, PAHs, Ph 0B0D1-DF22-SS-02-24" 03/29/17 03/29/17 Explosives, MC Metals, PAHs, Ph SO Discriminant 03/29/17 0B0D1-DF22-SS-02-36" Explosives, MC Metals, PAHs, Ph 03/29/17 SO Discriminant SO 0B0D1-DF18-SS-01-15" Explosives, MC Metals, PAHs, Ph 03/30/17 03/30/17 Discriminant 03/30/17 SO 0B0D1-DF18-SS-01-43" Explosives, MC Metals, PAHs, Ph Discriminant 03/30/17 0B0D1-DF18-SS-01-55" 03/30/17 SO Discriminant 03/30/17 Explosives, MC Metals, PAHs, Ph Discriminant 03/30/17 0B0D1-DF20-SS-01-17" Explosives, MC Metals, PAHs, Ph 03/30/17 SO MS/MSD - Duplicate Explosives, MC Metals, PAHs, Ph SO Discriminant 03/30/17 0B0D1-DF20-SS-01-34" 03/30/17 0B0D1-DF20-SS-01-46" Explosives, MC Metals, PAHs, Ph 03/30/17 SO Discriminant 03/30/17 03/30/17 0B0D1-DF20-SS-02-8" Explosives, MC Metals, PAHs, Ph SO 03/30/17 Discriminant 0B0D1-DF20-SS-02-28" SO Explosives, MC Metals, PAHs, Ph 03/30/17 Discriminant 03/30/17 Explosives, MC Metals, PAHs, Ph 03/30/17 SO 0B0D1-DF20-SS-02-40" Discriminant 03/30/17 Explosives, MC Metals, PAHs, Ph 03/30/17 Discriminant 03/30/17 0B0D1-DF20-SS-03-8" SO **Blind Duplicate** 03/30/17 0B0D1-DF20-SS-04-17" Explosives, MC Metals, PAHs, Ph 03/30/17 SO **Blind Duplicate** Discriminant 0B0D1-DF17-SS-02-16" Explosives, MC Metals, PAHs, Ph 03/31/17 SO Discriminant 03/31/17 MS/MSD 03/31/17 0B0D1-DF17-SS-02-44" Explosives, MC Metals, PAHs, Ph 03/31/17 SO Discriminant 03/31/17 0B0D1-DF17-SS-02-56" Explosives, MC Metals, PAHs, Ph 03/31/17 SO Comments: **Inspections Performed and Inspection Results** Area / Work Element Inspected Location of Inspection on Project Site Inspection Results (Accept / Reject) Area 1. Pit ID 17-02 Subsurface Anomaly Investigation Accept



Daily Rep	ort Number:		21003-000	03/021	DAY	Friday	Date:	M	arch 31, 201	17
7. Materia	al Received:		Unit of	Its and storage Daily Quantity	Cumulative Quantity	Storage Pro	vided	Inspection Results (Accept or Reject)		s with Buy can Act
а	None	•			-				∐Yes	∐No
b									∐Yes ∏Yes	No
						□las	□40			
					ole Steel, and Gov	ernment Propert	y:			
	Non-Hazardous Transportation and Disposal Waste Type Daily Volume Cu			lative Total Transporter			Disposal Facility			
	Vone									•
	ble Material 1									
	rial Type None	Daily	Volume	Cumula	ative Total	Transpo	rter	Red	eiving Fac	ility
	10110									
9. Job Sa	ifety: (List ite	ems checke	ed. results.	instructions, a	nd corrective action	ons taken)				
Inspecti	ions Conduct			,						
Personal F Vehicles	PPE	X	First Aid Kit Electrical C		X					
Fire Exting		Х	Heavy Equ	ipment	Х					
	nts: (include None	violations,	corrective	measures, dam	aged or compron	nised equipment,	, etc.			
a b	NONE									
c d										
e										
				topics discuss	ed) ousekeeping, Distra	otiano				
311µ5, 111µ:	s anu nans, As	suestus, ve	nicle Salety	, neat Stress, ni	ousekeeping, bisii	actions				
Were all	l activities co	nducted in	accordanc	e with EM 385-	1-1? X	YES				
10. Rema	rks: (Instruc	tions recei	ved or give	n. Conflicts in	Plans and/or Spe	cifications. Dela	ys encoun	itered)		
					next day of work) priority polygons.					
		,			71-73					
12. Safet	y Hours:									
Daily saf	fety hours incl		and Subco	ntractors:	42.0	Number of On-sit				21
Cumulat	ive safety hou	rs to date:			1699.0	Calendar Days si	nce Start c	or Work:		32
and work p	performed duri				y that this report is ce with the contrac					
	(5)	(0)								
								31-Ma Dat		
								31-Ma		
								54	· -	
		Field Ted	chnician, Pa	reans				31-Ma		



TAILGATE SAFETY MEETING RECORD

Day / Date: Friday, March 31, 2017	Time: 0630
Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB Site II	Project Number: W91ZLK-13-D-0003
Client: Ft. Bliss	Location: Ft. Bliss, Texas
Specific Location: Biggs AAF, El Paso, Texas	
Work Description: Subsurface Anomaly Investigation; Soil	Sampling
Comments:	
SAFETY TOPI	CS PRESENTED
Protective Clothing / Equipment: PPE Level D.	
Chemical Hazards: SDS on file with UXOSO	
Physical Hazards:	
1. Slips, trips and falls.	
2. Distractions	
3. Heavy Equipment Safety	
Emergency Procedures: Notify SUXOS and UXOSO immed Operations Radio.	diately. Emergency medical assistance is requested through Base
Emergency Hospital: William Beaumont Army Medical Cen	eter
Hospital Telephone: (915) 742-2121	
Hospital Directions: Copy in each vehicle	
Special Equipment:	
Other: HYDRATE!	
1. Heat stress.	
2. Good housekeeping and hygicue.	
3. Report all injuries to UXOSO, no matter how small the	ey may be.
SAFETY MEET	ING ATTENDEES
Name Printed / Initial	Name Printed / Initial
(6)	8.
	9.
	10
	<u></u>
	12.
	13. 14. (b) (6)
	s, UX



320-1 SITE CONTROL LOG (SCL)

Contract Number:	W91ZLK-13-D-0003	Task Order No:	0003
CAPE Project Number:	21003.003	Date:	March 31, 2017
Project Location:	Ft.8liss, TX		
Project Description:	RI at Biggs OB/OD Site I and SI at Biggs	OB Site II	

TI	TIME		
- IN	OUT	NAME	ORGANIZATION
0636	1300) (0)	CGO (
0630	1300		CAPE
0630	1300		CASE
013.	1300		CAPE
0630	1300		RARSONO
0630	1300		CAPE
0630	1300		CAPE
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	1		



MDAS Accumulation Form for Drum/Container Number: $\underline{\mathbf{1}}$

Date	Description/NIIN	Qty (lbs)	Type of Treatment*
16-Mar-17	20mm Projectiles	32	
16-Mar-17	37mm Cartridge Cases & Flash Tubes	38	
16-Mar-17	Small Arms Projectiles	40	
16-Mar-17	Engine Starter Cart	1	
16-Mar-17	2.36 Rocket Motor	1	
16-Mar-17	2.75" FFAR Shorting Caps	1	
16-Mar-17	Frag	8	
16-Mar-17	Fuze Parts	4	
20-Mar-17	40mm Flare Case	0.25	
20-Mar-17	20mm Projectiles & Case	1	
20-Mar-17	37mm Flash Tubes	0.75	
20-Mar-17	Small Arms Projectiles	3	
20-Mar-17	Frag	5	
21-Mar-17	20mm Projectiles	5	
21-Mar-17	37mm Cartridge Case, Mk3A2	4	
21-Mar-17	Frag	7	
21-Mar-17	Pusher Plate	1	
27-Mar-17	Small Arms Projectiles & Cases	1	
28-Mar-17	Small Arms Projectiles & Cases	1 1	
28-Mar-17	20mm Projectiles & Cases	0.5	
28-Mar-17	Frag	0.5	
29-Mar-17	M1A1 Spotting Charge Part	0.5	
29-Mar-17	3.5" Rocket Fin Shroud	0.5	
29-Mar-17	Frag	1	
29-Mar-17	20mm Projectiles & Cases	1	
30-Mar-17	20mm Projectiles & Cases	4	
30-Mar-17	Frag	4	
30-Mar-17	Small Arms Projectiles & Cases	1	
31-Mar-17	20mm Projectiles & Cases	2	
31-Mar-17	Frag	1	
31-Mar-17	Small Arms Projectiles & Cases	1	
31-IVIAI-17	Small Arms Projectiles & Cases	+ + +	
		+ +	
		+ +	
		+ +	
		+ +	
		+	
		++	
		++	
		+	
		+	
		+	
		+	
		\bot	
	Total	171	

^{*}If Applicable

Certification Signatures on Reverse



"The material listed on this form has been inspected or processed by DDESB-approved means, as required by DoD policy, and to the best of knowledge and belief does not pose an explosive hazard"

ŒRTIFIER	(6) (6)		
Signature :		Date:	3/31/2017
Printed Name:	(b) (6)		
Position:	UXOSO/UXOQC		
Organization Name:	Cape Environmental Management		
Organization Address:	500 Pinnacle Ct, Suite 100, Norcross, GA	30071	
Organization Phone	Number: (b) (6)		
VERIFIER	(b) (6)		
Signature :		Date:	3/31/2017
Printed Name:	(b) (6)		
Position:	suxos		
Organization Name:	Cape Environmental Management		
Organization Address:	500 Pinnacle Ct, Suite 100, Norcross, GA	30071	
Organization Phone	Number: (b) (6)		



HEAVY EQUIPMENT INSPECTION REPORT

Date / Day:	Friday, March 31, 2017
Project Name:	RI Biggs AAF Site 1
Project Location:	Biggs AAF, El Paso, Texas
Equipment Type:	Backhoe
Mfr / Model:	John Deere 310EP

1 · · · · · · · · · · · · · · · · · · ·		Observations
Inspection Description	Checked	(readings, levels, condition, damage, repairs needed)
General appearance	_ 6/_	
Hour meter reading	1/	2574.8
Engine operation / check belts		
Engine oil / water level	سسن	
Transmission oil level		
Hydraulic / misc. oil level	v	
Brake operation / fluid level	<i></i>	
Grease	/	
Batteries		
Fuel level (gas / diesel)	4	
Hoses & fittings (air, hydraulic)	نسمن	
Operation / controls	1	
Tires / tracks	2	
Cab (mirrors, seatbelt, glass, horn, turn signals, lights, wipers)	/	
Back-up lights and alarm		
Fire extinguisher condition	in'	
Coupling devices and connectors		
Exhaust system		
Blade / boom / bucket	W.	
Frame, ladders and walkway		
Steering		

Defects and Repairs Needed / Comments:	Equipment	Greased
--	-----------	---------

Inspected By:	Signature:
(b) (6)	



SITE: Biggs AAF OB/OD Site 1 and OB Site 2		CONTRACT: W91ZL TASK ORDER#: 0003	K-13-D-0003		
TEAM#; 1	TEAM LEADER: Temple Coffindaffer				
INSTRUMENT I	YPE: Schonstedt	SERIAL#: 297275			
DATE	OPERATIONAL CHECK	·	AM	PM	REMARKS
3-27-17	IVS Function Check		P.455	P455	
3-28-17	IVS Function Check		PA55	PA55	
3-29-17	IVS Function Check		PASS	DASS	
3-30-17	IVS Function Check		PA55	PA55	
3-31-17	IVS Function Check		PASS	P.455	

CAPE

29 April, 2013 Revision: 00



SITE: Biggs AAF OB/OD Site 1 and OB Site 2 CONTRACT: W91ZLK-13-D-0003
TASK ORDER#: 0003

TEAM#: 1 TEAM LEADER: Temple Coffindaffer

INSTRUMENT TYPE: Schonstedt SERIAL#: 297276

DATE	OPERATIONAL CHECK	AM	PM	REMARKS
-27-17	IVS Function Check	NA55	PA55	
-28-17	IVS Function Check	PASS	PA55 PA55	
3-29-17	IVS Function Check	PASS	PASS	
3-30-17	IVS Function Check	2.455	P.455 P.455	
3-31-17	IVS Function Check	PASS	PASS	

CAPE

29 April, 2013 Revision: 00



SITE: Biggs AAF	OB/OD Site 1 and OB Site 2 CONTRAC' TASK ORD	T: W91ZLK-13-D-0003 ER#: 0003		
TEAM#: 1	TEAM LEADER:	Temple Coffindaffer		
INSTRUMENT I	YPE: Schonstedt SERIAL#: 1	53694		
DATE	OPERATIONAL CHECK	AM	РМ	REMARKS
3-27-17	IVS Function Check	P455	P455	
3-28-17	IVS Function Check	PA 55	PA55 PA55	
3-29-17	IVS Function Check	pASS	8955	
3-30-17	IVS Function Check	PASS	PASS	
3-31-17	IVS Function Check	PASS	PA55 PA55	



SITE: Biggs AAF	OB/OD Site 1 and OB Site 2	CONTRACT: W91ZLK-1 TASK ORDER#: 0003	3-D-0003					
TEAM#: 1	1	TEAM LEADER: Temple Coffi	ndaffer					
INSTRUMENT TYPE: Fisher All-Metals SERIAL#: 041406891								
DATE	OPERATIONAL CHECK	-	AM	PM	REMARKS			
3-27-17	IVS Function Check		PA55	P-455				
3-28-17	IVS Function Check		1955	NA55				
3-29-17	IVS Function Check		NASS	PASS				
3-30-17	IV\$ Function Check		1.755	PA55				
3-31-17	IVS Function Check		PA55	PASS				

CAPE

29 April, 2013 Revision: 00

Page 1 of 1

SITE: Biggs AAF		ACT: W91ZLK-13-D-0003 DRDER#: 0003		
ГЕАМ#; 1	TEAM LEAD	DER: Temple Coffindaffer		
INSTRUMENTT	YPE: Schonstedt SERIAL	#: 282306		
DATE	OPERATIONAL CHECK	AM	PM	REMARKS
3-27-17	IVS Function Check	DA55	PA55	
3-28-17	IVS Function Check	PASS	P.455	
3-29-17	IVS Function Check	PA55	PA55	
3-30-17	IVS Function Check	1:255		
3-31-17	IVS Function Check	0.455	PASS PASS	

SITE: Biggs AAF	OB/OD Site 1 and OB Site 2	CONTRACT: W91ZLK TASK ORDER#: 0003	-13-D-0003		
TEAM#: 1	5	ΓΕΑΜ LEADER: Temple Cof	findaffer		
INSTRUMENT T	TYPE: Schonstedt	SERIAL#: 155270			
DATE	OPERATIONAL CHECK		АМ	PM	REMARKS
3-27-17	IVS Function Check		179.55	PASS	
3-28-17	IVS Function Check		P.455	PA55 PA55	
3-29-17	IVS Function Check		PA55	17355	
3-30-17	IVS Function Check		NC		HELD COSTANT TO SE.
3-31-17	IVS Function Check				

CAPE

29 April, 2013 Revision: 00



		<u>320-6 </u>	<u>FOLLOW L</u>	<u>JP PHASE I</u>	NSPECTIO	<u>N</u>			
Contract N	umber:	W91ZLK-	13-D-0003	Task Order No):		00	003	
CAPE Proje	ect No.:	2100	3.003	Date:			31-1	/lar-17	
Project Loc	cation:	Ft. Bliss, Texas	ì						
DFW:	Soi	l Sampling and /	Analysis	Spec Sect.		Draw	ing		
1 ΙΝΙΤΙΔΙ	PHASE INS	PECTION / MEI	FTING ATTEND)FFS [.]					
1. 1141117-02		AME		ITION	Co	ΜΡΔΙ	NY / CLIE	-NT	
1	(b) (6)	()-tiyin		xos	Cape				_
2				/UXOQC	Cape				_
3				Tech III			Cape		
4				echnician			arsons		
5			UXO.	Tech II			Cape		
6			UXO.	Tech II		(Cape		
8	(b) (6)		UXO	Escort		(Cape		
9	_	-							
Was Clier	nt Represent	tative notified?			Yes	✓	No		
2 INITIAL	PHASE INS	PECTION CHE	CKI IST:						
	RALITEMS		OKEIOT.						
Done	N/A	<u>. </u>	Description			Г	Action	n Items	_
V		Check prelimina	Check preliminary work and review minutes of			Insped			_
√		·	heck that materials and equipment being used comply with project requirements.					_	
~		Check the work	to ensure it is f	ull compliance w	ith the project re	equirer	nents.		
B. CONT	ROLS TO A	SSURE FULL (COMPLIANCE:						
			Controls			Τe	esting		
		✓ QC Officer Ob	servations		Checked Testi	ing proc	edure		
✓		Qualified Insp	ector		Checked Instr	umentai	tion Calibrat	tion	
			ection & Testing		Checked recor	rding Fo	rms & Track	king ID N o.	
		Other,			✓ None				
C. ESTA		EL OF WORKM							_
		Work Location:		OBOD Site 1					
✓		Is a sample par					Yes	✓ No	
			onsidered as a s	•	a ar intarprotati		Yes	✓ No	_
✓		representative.	sions and reson	e any difference	es or interpretation	ons wii	in the gov	emment/clien	į.
V		Check safety to Activity Hazard	•	ance with Safety	Plan and Activit	y Haza	ard Analys	ses. Review th	ne
			es and work me		✓ Yes				
✓		witnessed in str requirements?	rict compliance v	with project	N∘				
									_
		Is a re-inspection	on required?		☐ Yes	1			
✓					✓ No				



320-6 FOLLOW UP PHASE INSPECTION

Contract Number:		W91ZLK-13-D-0003	Task Order No	Task Order No:		03
CAPE Project No.:		21003.003	Date:		31-Mar-17	
Project Loc	cation:	Ft. Bliss, Texas		<u> </u>		
DFW: Soi		Sampling and Analysis	Spec Sect.	Spec Sect.		

D. BRIEF	SUMMARY OF	INITIAL INS	SPECTION PRO	OCEDURE A	ND RESULT, POI	NTS OF CONCE	RN, ETC.:
Observed of	perations. All p	procedures	accomplished	l IAW safety	directives and UF	P-QAPP.	
				(1-) (0)	8	70.Ch	
				(b) (b)			
	Quality Control	Representa	ative:				



320-6 FOLLOW UP PHASE INSPECTION

		<u>320-6 </u>	FOLLOW (JP PHASE	INSPECTIO	<u>/N</u>			
Contract N	umber:	W91ZLK-	13-D-0003	Task Order No	o:		0003		
CAPE Proje	ect No.:	2100	3.003	Date:		31-	-Mar-17		
Project Loc	cation:	Ft. Bliss, Texas)						
DFW:	Subsui	rface Anomaly Ir	nvestigation	Spec Sect.		Drawing			
1. INITIAL	PHASE INS	PECTION / MEI	ETING ATTENI	DEES:					
	ī	NAME		SITION	T co	OMPANY / CL	IENT		
1	(b) (6		-	xos		Cape			
2	(b) (6)	UXOSC)/UXOQC		Cape			
3	(b) (6)		UXO	Tech III	Cape				
4	(b)	(6)	Field T	echnician		Parsons			
5	(b)	(6)	UXO	Tech II		Cape			
6	(b)	(6)	UXO	Tech II		Cape			
8	(b) (6)		UXO	Escort		Cape			
9	_								
Was Clier	nt Represent	tative notified?			Yes	✓ No			
2 ΙΝΙΤΙΔΙ	PHASE INS	PECTION CHE	CKI IST:						
	RALITEMS		OREIOT.						
Done	N/A	Description			Results	Acti	on Items		
V		Check prelimina	Check preliminary work and review minutes of t						
V		 			d comply with pr				
✓					with the project re				
B. CONT	ROLS TO A	SSURE FULL (COMPLIANCE:						
			Controls			Testing			
		☑ QC Officer Ob	servations		Checked Test	ing procedure			
✓		Qualified Insp	pector		Checked Instr	rumentation Calib	ration		
		3rd Party Insp	pection & Testing		_	rding Forms & Tra	acking ID No.		
		Other,			✓ None				
C. ESTA	BLISH LEV	EL OF WORKM							
		Work Location:		OBOD Site 1					
✓		Is a sample par	•			☐ Yes	✓ No		
			onsidered as a	•	:-44-4:	Yes	✓ No		
~		representative.		ve any αιπerenc	es or interpretation	ons with the g	overnment/client		
>		Check safety to Activity Hazard		ance with Safety	/ Plan and Activit	y Hazard Ana	yses. Review the		
✓			es and work me rict compliance		✓ Yes				
✓		Is a re-inspection	on required?		☐ Yes ✓ No				



320-6 FOLLOW UP PHASE INSPECTION

Contract Number:		W91ZLK-13-D-0003	Task Order No:		00	03
CAPE Project No.:		21003.003	Date:		31-Mar-17	
Project Location: Ft. Bliss, Texas						
DFW: Subsurface Anomaly Investigation		Spec Sect.		Drawing		

Project Loc	ation:	Ft. Bliss, Texas							
DFW:	Subsu	rface Anomaly Investigation	nomaly Investigation Spec Sect. Drawing						
D. BRIEF SUMMARY OF INITIAL INSPECTION PROCEDURE AND RESULT, POINTS OF CONCERN, ETC.:									
Observed o	Observed operations. All procedures accomplished IAW safety directives and WP.								
			(b) (6)						
			(b) (6)			l			
Quality Control Representative:									

Date 4/3/2017	Ft Bliss Biggs Airfield DAILY SUMMARY

Type of Work	Onantitu	Comments	Daily Narrative
Type of work	Quantity	Comments	Arrived on site 0630, Safety brief conducted by Gerry Hills, 6 attendees. Site specific topics: MEC safety,
			Heavy equipment safe operations, Hydration, sun protection. Continuing investigation of backhoe digs in
Surface Sweep Transect Linear ft	NA		OB/OD 1. Schedule for 4-4-2017: continue pit and trench investigation.
Carract Chrosp Transcott Emisar It			Obiob 1. Solicula for 4-4-2017. Solitinas pit and tronor investigation.
DGM Transect collected Linear ft	NA		
DGM Transect collected Linear π	NA		
Point Anomalies Investigated ea.	NA		
District Assessment Assessment		No MPPEH or MEC found	-
Pit/Trench Anomalies Investigated	6	NO WIFFER OF WIEC TOURING	
ea.			
			-
Total Industrial debris recovered lbs	NA		
Total illuustriai debris recovered ibs			
Total Material Documented As Safes	1		
(MDAS) recovered today lbs	ı		
(marroy received actually lace			
Total MPPEH Recovered lb.	NA		
Total IIII T Ell 1000 Volod Ib.	INA		
Muntions Identified			
MEC found today (ea)	NA		-
MEC Turned over today (ea)			-
MEC Turried over today (ea)	NA		
			-
			<u> </u>
Instructions Received From			
Customer Representative			



Daily Report Number: 210		21003-000	3/022	DAY	Monday	Date:		April 3, 201	7	
Project Title: RI at Big		RI at Biggs AAF	OB/OD Site 1	and SI at Biggs AAF	SI at Biggs AAF OB Site II Contract No.:			W91ZLK-1	W91ZLK-13-D-0003	
			Ft Bliss	, Texas		Task Order No.: 0003			03	
Weather:	□ Clear	Partly Cloudy	□¤oudy		Temperature:	59°F	Min.	77°F	Max.	
 Wind: Max Wind Spo 	□Calm eed:	Breeze 26 mph	☑ W indy	Precipitation: Weati	Rain ner Information S	0 iource:	Snow www.accu	o weather.com		

umber	Name	Hours	Cumulative Hours	Employer	Area of Responsibility
CAPE Supervi	ion				
1	(b) (6)	10.0	207.0	Cape	SUXOS
2	(b) (6) (b) (6)	10.0	207.0	Cape	UXOSO/UXOQC
3	(b) (6)	10.0	207.0	Cape	TECH III
	, , , , , , , , , , , , , , , , , , , ,				
4	(b) (6)	10.0	207.0	Cape	UXO Tech II
5	(b) (6)		197.0	Cape	UXO Tech II
6	(b) (6) [154.0	Cape	UXO Tech II
7	(b) (6)	10.0	207.0	Cape	UXO Escort
8					
9	(b) (6)	10.0	207.0	Parsons	Field Technician
10	_ (á) (á) _		119.0	Parsons	Site/Project Geophysicist
11	(i) (-)		47.0	Parsons	Field Technician
	Total Hours:	60.0	1759.0		

2. Equipment (Not Hand Tools): shaded ite	ems indicate equi	oment that has	been taken off re	ent and/or off	site		
Description (Make and Model Number)	Arrival Date	Departure Date			Hours Used	Hours Idle	Hours Repair
Chevy Silverado- White - Cape	3/3/2017		04/03/17	31	3	5	
Chevy Silverado- Black - Cape	3/3/2017		04/03/17	31	3	5	
Nissan Titan 4x4 - Parsons	2/28/2017		04/03/17	34	3	5	
Cushman Hauler ATV (171478 - Cape)	3/3/2017		04/03/17	31	8	0	
Cushman Hauler ATV (168809 - Parsons)	3/1/2017		04/03/17	33	8	0	
John Deere 310p Backhoe	3/25/2017		04/03/17	9	8	0	
RTK GPS	2/28/2017		04/03/17	34	0	8	
EM61 Portable Array	3/13/2017		04/03/17	22	0	8	
3. Work Performed Today: (Indicate locations is used, identify work by activity number)	on and description	n ot work perto	rmed by CAPE a	nd/or Subcon	itractors. W	hen network	analysis
a Completed test pit excavations of II	D numbers 09-01.	11-01, 11-02, 11	-03, 14-01 and 14	-02. No MEC	or MPPEH 1	found.	
b Collected soil samples from pit num							
С							
d							
е							
f							
g							
h							

	Definable Features of Work (DFW)	Meeting	Meetings / Inspections Completed						
		Preparatory	Initial Follow-						
а	Mobilization and Site Preparation	02/28/17	03/01/17	03/03/17					
b	Vegetation Removal	02/28/17	03/01/17	Task Complete 3-1					
С	DGM Operations	02/28/17	03/01/17	03/08/17					
d	Surface MEC Clearance	02/28/17	03/01/17	03/07/17					
е	Munitions Debris Removal and Disposal	02/28/17	03/01/17	03/08/17					
f	MPPEH Inspection and MD Turn-in	03/09/17	03/10/17	03/14/17					
g	Soil Sampling and Analysis	03/10/17	03/13/17	03/31/17					
h	Anomaly Reacquisition	03/16/17	03/17/17	03/20/17					
i	Subsurface Anomaly Investigation	03/16/17	03/20/17	03/31/17					
i	Demobilization		1						



Daily Report Number: 21003-0003/022 DAY Monday Date: April 3, 2017

Tests Performed an						
aboratory Analytica Type of Sample	Sample	Sample ID No.	Analyses Requested	Date Sent	Matrix	Comments
Incremental	Date 03/13/17	OBOD1-SU01-SS-01	Explosives, MC Metals, PAHs, pH	to Lab 03/14/17	SO	Comments
Incremental	03/13/17	OBOD1-SU02-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/13/17	OBOD1-5002-55-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU04-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU05-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU06-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU07-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	MS/MSD
Grab	03/14/17	EB-031417	Explosives, MC Metals, PAHs	03/14/17	W	
Incremental	03/15/17	OBOD1-AU01-SS-01	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU01-SS-02	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU01-SS-03	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU02-SS-01	PAHs	03/15/17	SO	MS/MSD
Incremental	03/15/17	OBOD1-AU03-SS-01	PAHs	03/15/17	SO	WO/WOD
Incremental	03/15/17	OBOD1-X003-SS-01	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/15/17	OBOD1-SU08-SS-02	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/15/17	OBOD1-SU08-SS-02	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/15/17	OB2-SU01-SS-01	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-02	PAHs	03/16/17	SO	field triplicate
	03/16/17	OB2-SU01-SS-02	PAHS PAHS	03/16/17	SO	field triplicate
Incremental Incremental	03/16/17	OB2-SU01-SS-03 OB2-SU02-SS-01	PAHS PAHs	03/16/17	SO	neiu iriplicate
		OB2-SU02-SS-01	PAHS PAHs	03/16/17	SO	MS/MSD
Incremental	03/16/17			03/16/17	SO	INIO/INIOD
Incremental	03/16/17	OBOD1-SU09-SS-01	Explosives, MC Metals, PAHs, Ph			
Discriminant	03/27/17	OBOD1-DF29-SS-01-12"	Explosives, MC Metals, PAHs, Ph	03/27/17 03/27/17	SO	
Discriminant		OBOD1-DF29-SS-02-16"	Explosives, MC Metals, PAHs, Ph		SO SO	
Discriminant Discriminant	03/27/17	OBOD1-DF29-SS-02-28" OBOD1-DF29-SS-02-40"	Explosives, MC Metals, PAHs, Ph Explosives, MC Metals, PAHs, Ph	03/27/17 03/27/17	SO SO	
			, , , ,	03/27/17		
Grab	03/27/17	EB-032717	Explosives, MC Metals, PAHs	03/28/17	W SO	
Discriminant	03/28/17	0B0D1-DF6-SS-02-14"	Explosives, MC Metals, PAHs, Ph			
Discriminant	03/28/17	0B0D1-DF6-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-02-52"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-15"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-42"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-54"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-10"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-31"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-43"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-17"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-47"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-59"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-13"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-38"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-50"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-6"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-24"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-36"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-15"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-43"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-55"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	MC/MCD D "
Discriminant	03/30/17	0B0D1-DF20-SS-01-17"	Explosives, MC Metals, PAHs, Ph		SO	MS/MSD - Duplica
Discriminant	03/30/17	0B0D1-DF20-SS-01-34"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-01-46"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-8"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-28"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	DE 15 "
Discriminant	03/30/17	0B0D1-DF20-SS-03-8"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	Blind Duplicate
Discriminant	03/30/17	0B0D1-DF20-SS-04-17"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	Blind Duplicate
Discriminant	03/31/17	0B0D1-DF17-SS-02-16"	Explosives, MC Metals, PAHs, Ph	03/31/17	SO	MS/MSD
Discriminant	03/31/17	0B0D1-DF17-SS-02-44"	Explosives, MC Metals, PAHs, Ph	03/31/17	SO	
Discriminant	03/31/17	0B0D1-DF17-SS-02-56"	Explosives, MC Metals, PAHs, Ph	03/31/17	SO	
Discriminant	04/03/17	0B0D1-DF9-SS-01-15"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF9-SS-01-42"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF9-SS-01-54"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-02-12"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-02-36"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-02-48"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-03-12"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	Blind Duplicate
Discriminant	04/03/17	0B0D1-DF14-SS-04-48"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	Blind Duplicate
	l	1		1		
omments:						

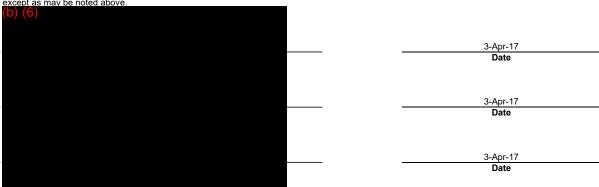


Daily Rep	ort Number:		21003-000	03/022	DAY	Monday	Date:		April 3, 2017
6. Inspect	tions Perform	ned and in	spection R	esults:					
Area / Work Element Inspected					of Inspection on I	Project Site	Ins	pection Results	(Accept / Reject)
	Subsurface Anomaly Investigation				1, Pit ID's 11-02 an			Acce	
			'						
7 Materia	al Deseived:	/Mate Inco	action rock	ilto and etamas	- verilale all		_		
7. Materia	I Received.	(Note insp	ection resu	uits and storage	provided)			Inspection	
	1	ŀ	1 '	1 '	1			Results	1
	1	ŀ	Unit of	1 '	Cumulative			(Accept or	Complies with Buy
Item	Descri	ption	Measure	Daily Quantity	Quantity	Storage Pro	vided	Reject)	American Act
а	None					T		T	∐Yes ∐No
b									∐Yes ∐No
С				<u> </u>		1		1	∐r⁄es _No
				<u> </u>		<u> </u>		-	
					ble Steel, and Gov	vernment Propert	ly:		
	zardous Tran	-							
	te Type	Daily	Volume	Cumula	ative Total	Transpoi	rter	Dis	sposal Facility
N	Vone				\longrightarrow				
Descript	bl-Material	Turnerente	Airu and M						
	<u>ble Material 1</u> rial Type		Volume		ative Total	Transpoi	400	I Be	eiving Facility
	None	Dany	Volume	Cumara	illye i otai	11 0115 641	rter	1 100	erving racincy
, ,	IUIIC	 		+	\longrightarrow			+	
									
9. Job Sa	fety: (List it	ems check	ed, results	instructions, a	nd corrective acti	ons taken)			
	ions Conduct								
Personal P	PE	Х	First Aid Ki		Х			T	
Vehicles		Х	Electrical C		Х				
Fire Exting		X	Heavy Equ		Х		<u> </u>	<u> </u>	
		violations,	corrective	measures, dam	naged or compron	nised equipment,	, etc.		
a b	None								
С	──								
d	 								
e									
Daily Ta	ilgate Safety	Meeting: (summarize	etopics discuss	ed)				
					ousekeeping, PPE				
									
Mare all	activities of	endusted in	accordan	ce with EM 385-1	1 12	YES			
Wele an	activities co	nuucteu	accordance	WILL EN OOS-	1-1 :	163			
10. Rema	rks: (Instruc	tions recei	ved or giv	en Conflicts in	Plans and/or Spe	ecifications, Dela	vs encour	ntered\	
10. 110	no. (moe ac	CIVILO I C. C.	rea or g	al. Commetter	Tollo dilator ope	William D. D. S.	75 01100	reci cu;	
	-								
					next day of work)				
Continue s	ubsurface an	om aly inves	tigation and	soil sampling of	f priority polygons.				



Daily Report Number:	Paily Report Number: 21003-0003/022				Monday Date:		'
12. Safety Hours:							
Daily safety hours inclu	iding CAPE and Subcontractors:		60.0	Number of Or	-site Workdays:		22
Cumulative safety hour	rs to date:		1759.0	Calendar Day	s since Start of W	ork:	35

Contractor's Verification: On behalf of the Contractor, I certify that this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge,





TAILGATE SAFETY MEETING RECORD

Day / Date: Monday, April 03, 2017 Time: 0630

Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB Project Number: W91ZLK-13-D-0003

Client: Ft. Bliss Location: Ft. Bliss, Texas

Specific Location: Biggs AAF, El Paso, Texas

Work Description: Subsurface Anomaly Investigation; Soil Sampling

Comments:

SAFETY TOPICS PRESENTED

Protective Clothing / Equipment: PPE Level D.

Chemical Hazards: SDS on file with UXOSO

Physical Hazards:

1. Slips, trips and falls.

PPE

3. Heavy Equipment Safety

Emergency Procedures: Notify SUXOS and UXOSO immediately. Emergency medical assistance is requested through Base Operations Radio.

Emergency Hospital: William Beaumont Army Medical Center

Hospital Telephone: (915) 742-2121

Hospital Directions: Copy in each vehicle

Special Equipment:

Other: HYDRATE!

1. Heat stress.

Good housekeeping and hygiene. 2.

Report all injuries to UXOSO, no matter how small they may be.

Name Printed / Initial

8.
9.
10.
11.
12.
13. (b) (6)
14.
lills, UXC



320-1 SITE CONTROL LOG (SCL)

Contract Number:	W91ZLK-13-D-0003	Task Order No:	0003
CAPE Project Number:	21003.003	Date:	April 3, 2017
Project Location:	Ft.Bliss, TX		
Project Description:	RI at Biggs OB/OD Site I and SI at Biggs OB	Site II	

TIF	WE						
IN		NAME 0) (6)	ORGANIZATION				
8630	1700		CAB6				
0630	1700		CAPE CAPE CAPE CAPE CAPE CAPE				
0635	1700		CANG				
0630	1700		Parsons				
Q630	1700		CAPE				
0630	1700		CAPE.				
			<u> </u>				
<u> </u>							
	1						
	<u></u>						
	<u> </u>		<u> </u>				

Date 4/4/2017	Ft Bliss Biggs Airfield DAILY SUMMARY
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Type of Work	Quantity	Comments	I
			P
Surface Sweep Transect Linear ft	NA		H to
Currace Oweep Transect Emedi it	14/3		tr
DGM Transect collected Linear ft	NA		
			_
			4
Point Anomalies Investigated ea.	NA		
			-
Pit/Trench Anomalies Investigated		No MPPEH found	4
ea.	1		
			_
	NA		٦
Total Industrial debris recovered lbs	INA		
			4
Total Material Documented As Safes	148		
(MDAS) recovered today lbs	140		
Total MPPEH Recovered lb.	NA		
Muntions Identified			
MEC found today (ea)	11	37mm	
MEC Turned over today (ea)	NA		4
			-
			4
			-
			7
			1
			٦
Instructions Received From			\dashv
Customer Representative			

Daily Narrative

Arrived on site 0630, Safety brief conducted by Gerry Hills, 6 attendees. Site specific topics: MEC safety, Heavy equipment safe operations, Hydration, sun protection. 0930 Operations ceased due to high winds 35 to 45 mph. Continuing investigation of backhoe digs in OB/OD 1. Schedule for 4-5-2017: continue pit and trench investigation.



Daily Report Number:		21003-000	21003-0003/023		DAY Tuesday			April 4, 2017	
Project Title:		RI at Biggs AAF	RI at Biggs AAF OB/OD Site 1 and SI at Biggs AAF OB Site II				: No.:	W91ZLK-13-D-0003	
			Ft Bliss	Ft Bliss, Texas			Task Order No.:		003
Weather:	√ Clear	Partly Cloudy	□Doudy		Temperature:	61°F	Min.	69°F	Max.
 Wind: Max Wind Spo 	□Calm eed:	_Breeze 45 mph	√ Windy	Precipitation: Weath	Rain er Information S	0 iource:	_ Snow www.accu	o uweather.com	<u> </u>

umber	Name	Hours	Cumulative Hours	Employer	Area of Responsibility
APE Supervi	ion				
1	(b) (6)	3.0	210.0	Cape	SUXOS
2	(b) (6) (b) (6)	3.0	210.0	Cape	UXOSO/UXOQC
3	(b) (6)	3.0	210.0	Cape	TECH III
	10/10/				
4	(b) (6)	3.0	210.0	Cape	UXO Tech II
5	(b) (6)		197.0	Cape	UXO Tech II
6	(b) (6)		154.0	Cape	UXO Tech II
7	(b) (6)	3.0	210.0	Cape	UXO Escort
8	,,-,,				
9	(b) (6)	3.0	210.0	Parsons	Field Technician
10	(b) (6)		119.0	Parsons	Site/Project Geophysicist
11	(b) (6)		47.0	Parsons	Field Technician
	Total Hours:	18.0	1777.0		

Equipment (Not Hand Tools): shaded	items indicate equi						
		Departure	Date of Last	Days on	Hours	Hours	Hours
Description (Make and Model Number)	Arrival Date	Date	Check	Rent	Used	idle	Repair
Chevy Silverado- White - Cape	3/3/2017		04/04/17	32	1	2	
Chevy Silverado- Black - Cape	3/3/2017		04/04/17	32	1	2	
Nissan Titan 4x4 - Parsons	2/28/2017		04/04/17	35	1	2	
Cushman Hauler ATV (171478 - Cape)	3/3/2017		04/04/17	32	2	1	
Cushman Hauler ATV (168809 - Parsons)	3/1/2017		04/04/17	34	2	1	
John Deere 310p Backhoe	3/25/2017		04/04/17	10	2	1	
RTK GPS	2/28/2017		04/04/17	35	0	3	
EM61 Portable Array	3/13/2017		04/04/17	23	0	3	
Comments:							
3. Work Performed Today: (Indicate loc	ation and descriptio	n of work perfo	rmed by CAPE ar	nd/or Subcor	ntractors. W	hen network	analysis
is used, identify work by activity number)						
a Completed test pit excavations of	of ID numbers 02-01.	One 37mm proj	ectile found.				
b Collected soil samples from pit n	umbers 02-01.						
C C							
d l							
e							
f f							
q							
h							
''							

	Definable Features of Work (DFW)	Meetings / Inspections Completed					
	, ,	Preparatory	Initial	Follow-up			
а	Mobilization and Site Preparation	02/28/17	03/01/17	03/03/17			
b	Vegetation Removal	02/28/17	03/01/17	Task Complete 3-1			
С	DGM Operations	02/28/17	03/01/17	03/08/17			
d	Surface MEC Clearance	02/28/17	03/01/17	03/07/17			
е	Munitions Debris Removal and Disposal	02/28/17	03/01/17	03/08/17			
f	MPPEH Inspection and MD Turn-in	03/09/17	03/10/17	03/14/17			
g	Soil Sampling and Analysis	03/10/17	03/13/17	03/31/17			
ĥ	Anomaly Reacquisition	03/16/17	03/17/17	03/20/17			
i	Subsurface Anomaly Investigation	03/16/17	03/20/17	03/31/17			
i	Demobilization	04/04/17	1	1			



Daily Report Number: 21003-0003/023 DAY Tuesday Date: April 4, 2017

aboratory Analytica	Sample	Commis ID No	Analyses Developed	Date Sent	B4-4 :	0
Type of Sample	Date	Sample ID No. OBOD1-SU01-SS-01	Analyses Requested	to Lab 03/14/17	Matrix	Comments
Incremental Incremental	03/13/17	OBOD1-SU01-SS-01	Explosives, MC Metals, PAHs, pH Explosives, MC Metals, PAHs, pH	03/14/17	SO SO	
Incremental	03/13/17	OBOD1-SU03-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU04-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU05-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU06-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU07-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	MS/MSD
Grab	03/14/17	EB-031417	Explosives, MC Metals, PAHs	03/14/17	W	
Incremental	03/15/17	OBOD1-AU01-SS-01	PAHs	03/15/17	SO	field triplicate
Incremental Incremental	03/15/17	OBOD1-AU01-SS-02 OBOD1-AU01-SS-03	PAHs PAHs	03/15/17 03/15/17	SO SO	field triplicate field triplicate
Incremental	03/15/17	OBOD1-AU02-SS-01	PAHs	03/15/17	SO	MS/MSD
Incremental	03/15/17	OBOD1-AU03-SS-01	PAHs	03/15/17	SO	WOWNED
Incremental	03/15/17	OBOD1-SU08-SS-01	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/15/17	OBOD1-SU08-SS-02	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/15/17	OBOD1-SU08-SS-03	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-01	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-02	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-03	PAHs	03/16/17 03/16/17	SO SO	field triplicate
Incremental Incremental	03/16/17	OB2-SU02-SS-01 OB2-SU03-SS-01	PAHs PAHs	03/16/17	SO SO	MS/MSD
Incremental	03/16/17	OBOD1-SU09-SS-01	Explosives, MC Metals, PAHs, Ph	03/16/17	SO	IVIO/IVIOU
Discriminant	03/10/17	OBOD1-3009-33-01 OBOD1-DF29-SS-01-12"	Explosives, MC Metals, PAHs, Ph	03/10/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-16"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-28"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Grab	03/27/17	EB-032717	Explosives, MC Metals, PAHs	03/27/17	W	
Discriminant	03/28/17	0B0D1-DF6-SS-02-14"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-02-52" 0B0D1-DF6-SS-01-15"	Explosives, MC Metals, PAHs, Ph Explosives, MC Metals, PAHs, Ph	03/28/17 03/28/17	SO SO	
Discriminant Discriminant	03/28/17	0B0D1-DF6-SS-01-15	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-54"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-10"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-31"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-43"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-17"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-47"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-59"	Explosives, MC Metals, PAHs, Ph	03/29/17 03/29/17	SO SO	
Discriminant Discriminant	03/29/17	0B0D1-DF22-SS-01-13" 0B0D1-DF22-SS-01-38"	Explosives, MC Metals, PAHs, Ph Explosives, MC Metals, PAHs, Ph	03/29/17	SO SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-50"	Explosives, MC Metals, 1 Alis, 1 II	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-6"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-24"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-36"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-15"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-43"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-55"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	MO/MOD D "
Discriminant	03/30/17	0B0D1-DF20-SS-01-17"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO SO	MS/MSD - Duplic
Discriminant Discriminant	03/30/17	0B0D1-DF20-SS-01-34" 0B0D1-DF20-SS-01-46"	Explosives, MC Metals, PAHs, Ph Explosives, MC Metals, PAHs, Ph	03/30/17 03/30/17	SO SO	
Discriminant	03/30/17	0B0D1-DF20-SS-01-40	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-28"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-03-8"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	Blind Duplicate
Discriminant	03/30/17	0B0D1-DF20-SS-04-17"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	Blind Duplicate
Discriminant	03/31/17	0B0D1-DF17-SS-02-16"	Explosives, MC Metals, PAHs, Ph	03/31/17	SO	MS/MSD
Discriminant	03/31/17	0B0D1-DF17-SS-02-44"	Explosives, MC Metals, PAHs, Ph	03/31/17	SO	
Discriminant	03/31/17	0B0D1-DF17-SS-02-56"	Explosives, MC Metals, PAHs, Ph	03/31/17	SO SO	
Discriminant	04/03/17	0B0D1-DF9-SS-01-15"	Explosives, MC Metals, PAHs, Ph Explosives, MC Metals, PAHs, Ph	04/03/17 04/03/17	SO SO	
Discriminant Discriminant	04/03/17 04/03/17	0B0D1-DF9-SS-01-42" 0B0D1-DF9-SS-01-54"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-02-12"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-02-36"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-02-48"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-03-12"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	Blind Duplicate
Discriminant	04/03/17	0B0D1-DF14-SS-04-48"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	Blind Duplicate
Discriminant	04/04/17	0B0D1-DF2-SS-01-13"	Explosives, MC Metals, PAHs, Ph	04/04/17	SO	MS/MSD
Discriminant	04/04/17	0B0D1-DF2-SS-01-38"	Explosives, MC Metals, PAHs, Ph	04/04/17	SO SO	
Discriminant	04/04/17	0B0D1-DF2-SS-01-50"	Explosives, MC Metals, PAHs, Ph	04/04/17	SO	
omments:						



Daily Rep	ort Number:		21003-000	03/023	DAY	Tuesday	Date:		April 4, 2017
6. Inspect	tions Perform	ned and ins	spection R	esults:					
Are	a / Work Elen	nent Inspe	cted	Location	of Inspection on I	Project Site	ins	pection Results	(Accept / Reject)
Subs	surface Anom	aly Investig	ation	f	Area 1, Pit ID's 02-1	-01.		Acce	apt
7. Materia	il Received:	(Note Insp	ection resu	ults and storage	provided)			Inspection	
				1 '	1			Results	1
		1	Unit of	1 '	Cumulative			(Accept or	Complies with Buy
Item	Descri	ntion	1	Daily Quantity		Storage Pro	vided	Reject)	American Act
а	None	V C. V. I	 	Duny Gastery			Hwe.	110,000	Yes No
	MOLIC					+		+	Tres TNo
b	├──		 '			+		+	Yes No
С									
O Tranco	ortation and	Dienocal	461 imuide	Calide Decuela	ble Steel and Co	vernment Propert			
	ardous Tran				ne steer, and Go	vernillent Flopert	у.		
	te Type	-	Volume		ative Total	Transpoi	re or	T Die	spesal Facility
	lone	Dany	Volume	Cumara	ILIVE IOLAI	11 0115 401	ter	 	posai racincy
1.4	10116	 		+	\longrightarrow			+	
Recyclai	ble Material 1	Fransporta	tion and M	anagem ent					
	rial Type		Volume		ative Total	Transpoi	rter	T Rer	ceiving Facility
	lone			+	-		10.		willing a warming
		 		+		-		+	
									•
9. Job Sat	fety: (List ite	ems checke	ed, results	instructions, a	nd corrective acti	ions taken)			
	ons Conduct								
Personal P	PE	Х	First Aid Ki		Х				
Vehicles		Х	Electrical C		Х				
Fire Exting		Х	Heavy Equ		Х				
		violations,	corrective	measures, dam	aged or compror	mised equipment,	etc.		
	None								
b	<u> </u>								
c d	├──								
e e	 								
	ilaata Safetu	Mooting: (cum mariae	taniae discuss	o all				
				topics discusse Heat Stress Ho		oer Lifting Techniqu	IO.C		
апра, птра	anu Fana, A	Mesins, 4 e	illus parerà	, Near 30 633, 110	Justiceping, mop	er chang rechange	165.		
—									
Were all	activities co	nducted in	accordan	ce with EM 385-1	1-1?	X YES			
10. Rema	rks: (Instruc	tions recei	ved or giv	en. Conflicts in	Plans and/or Spe	ecifications. Dela	ys encou	ntered)	
					next day of work)				
Continue s	ubsurface and	omaly inves	itigation and	J soil sampling of	f priority polygons.				



12. Safety Hours:						
Daily safety hours including	CAPE and Subcontractors:	18.0	Number of On	-site Workdays:		23
Cumulative safety hours to d	ate:	1777.0	Calendar Days since Start of Wo	s since Start of Work	:	36

Contractor's Verification: On behalf of the Contractor, I certify that this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as m (D) (G)

4-Apr-17

Date

4-Apr-17

Date



TAILGATE SAFETY MEETING RECORD

Day / Date: Tuesday, April 04, 2017	Time: 0630
Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB Site II	Project Number: W91ZLK-13-D-0003
Client: Ft. Bliss	Location: Ft. Bliss, Texas
Specific Location: Biggs AAF, El Paso, Texas	
Work Description: Subsurface Anomaly Investigation; Soil	Sampling
Comments:	
SAFETY TOP	CS PRESENTED
Protective Clothing / Equipment: PPE Level D.	
Chemical Hazards: SDS on file with UXOSO	
Physical Hazards:	
 Stips, trips and falls. 	
2. Proper Lifting Techniques	
3. Heavy Equipment Safety	
Emergency Procedures: Notify SUXOS and UXOSO immed Operations Radio.	diately. Emergency medical assistance is requested through Bas
Emergency Hospital: William Beaumont Army Medical Cer	nter
Hospital Telephone: (915) 742-2121	
Hospital Directions: Copy in each vehicle	
Special Equipment:	
Other HYDRATE!	
1. Heat stress.	
2. Good housekeeping and hygiene.	
3. Report all injuries to UXOSO, no matter how small the	ey may be.
SAFETY MEET	FING ATTENDEES
Nama Printed / Initial	Name Printed / Initial
	3.
),
	10.
	I.F.
	12.
	13.
14	14. (b) (6)
Meeting conducted by (print name / signature): Gerould l	Hills, UXOS



320-1 SITE CONTROL LOG (SCL)

Contract Number:	W91ZLK-13-D-0003	Task Order No:	0003
CAPE Project Number:	21003.003	Date:	April 4, 2017
Project Location:	Ft.Bliss, TX		
Project Description:	RI at Biggs OB/OD Site I and SI at Biggs	OB Site II	

TI	ME		
IN	OUT	NAME (5)	ORGANIZATION
(650	0930	(b) (6)	CARE
0630	0930		CASE
0130	0930		C/1006
0630	0936		CAPE
0630	0930		PARSONI
0630	0930		CAPE CASE CASE CASE CAPE CAPE
	-		
-			
-			
	<u> </u>	<u> </u>	

(b) (6)		nd D	emobilization		
			I On:		
			11. Print:	21.	Print:
		11.	Sign:	41.	Sign:
		12.	Print:	22.	Print:
		12.	Sign:	22.	Sign:
		13.	Print:	23.	Print:
		1.5	Sign:	23.	Sign:
		14.	Print:	24	Print:
		1-4,	Sign:	2-7	Sign:
		15.	Print:	25.	Print:
			Sign:	20.	Sign:
		16.	Print:	26.	Print:
			Sign:		Sign:
7.	Print:	17.	Print:	27.	Print:
	Sign:		Sign:		Sign:
8.	Print:	18.	Print:	28.	Print:
	Sign:		Sign:		Sign:
9.	Print:	19.	Print:	29.	Print:
	Sign:		Sign:		Sign:
10.	Print:	20.	Print:	30.	Print:
	Sign:		Sign:		Sign:

AHA R Print N Signat	(b) (6)	UXOSO/UXÒQA	



320-5 PREPARATORY PHASE INSPECTION / MEETING

Contract Number: W91ZLK-13-E		W91ZLK-13-D-0003	Task Order No	:	00	03
CAPE Project No.:		21003.003	Date:		e: 4-Apr-17	
Project Loc	cation:	Ft. Bliss, TX				
DFW:	FW: Site Restoration and Demobilization		Spec Sect.		Drawing	

1. PREPARATORY PHASE INSPECTION / MEETING ATTENDEES: (b) (6)								
		POSITION	COMPANY / CLIENT					
1		SUXOS	Cape					
2		UXOSO/UXOQC	Cape					
3		Field Technician	Parsons					
4		UXO Tech III	Cape					
5		UXO Tech II	Cape					
6		UXO Escort	Cape					
7								
8								
9								
10								

2. PREPAF	RATORY PH	ASE INSPECTION CHECKLIST:					
A. DOCU	MENT REV	IEW:					
Done	N/A	Description	Results	Action Items			
✓		Review each applicable sections of the Work Pl	an				
\(\)		Review all applicable Standard Operating Proce	dures.				
	>	Review Explosive Safety Submittal (ESS).					
B. SUBM	IITTAL STA	TUS REVIEW:					
<u>Review</u> and app		ttal requirements to ensure that all materials and	<u>/or equipment h</u>	ave been tested, submitted,			
<		Have all materials been submitted, tested, and approved?					
✓		Has all equipment been submitted, tested, and approved?	✓ Yes				
C. OFFS	ITE DISPOS	AL OF MATERIALS:					
		Have all materials for disposal offsite been	✓ Yes				
✓		sampled and properly characterized for	N∘				
		disposal?	□ N/A				
		Have Landfills been contacted and received	Yes				
	✓	copy of waste characterization results?	□N∘				
			✓ N/A				



320-5 PREPARATORY PHASE INSPECTION / MEETING

Contract Number:		W91ZLK-13-D-0003	Task Order No	<u> </u>	0003	
CAPE Proje	ect No.:	21003.003	Date:		4-Apr-17	
Project Loc	ation:	Ft. Bliss, TX				
DFW:	Site Re	storation and Demobilization	Spec Sect.		Drawing	
		Have all Parties related to the a	oproval	✓ Yes		
✓		process for hauling offsite been	contacted and		1	
_	_	have they approved disposal methods?		□ N/A	1	
		Has it been verified that the Transporter of the		Yes		
	✓	material is properly licensed for		□N∘	1	
_	J	material?		✓ N/A	1	
		Has the process/procedure for s	igning Waste	✓ Yes	DD Form 1348	for MDAS and
✓		Manifests been clearly establish			trash dumpster	
				N/A	1	
D. WORK	AREA INS	PECTION:				
		Has all required preliminary wor	✓ Yes	I		
✓		completed and accepted to allow this DFW to start?			1	
				□ N/A	1	
		Are all required Permits received	d and on file on	Yes		
	✓	the jobsite and/or properly posted?			1	
_	_		✓ N/A	1		
E. MATE	RIAL AND E	QUIPMENT INSPECTION:			•	
		Are all required materials on har	✓ Yes			
✓		scheduled for delivery to avoid schedule			1	
		delays)?		N/A	1	
		Is all material properly stored an	d protected,	Yes		
	✓	as applicable?		 No	1	
				✓ N/A	1	
		Are all pieces of equipment or m	odules on	✓ Yes		
✓		hand (or scheduled for delivery t		 No	1	
	_	schedule delays)?		N/A	1	
		Is all equipment or modules properly stored	perly stored	Yes		
	✓	and protected, as applicable?	-		1	
				✓ N/A	1	
F. REVIE	W OF SAFE	TY REQUIREMENTS:				
		Review appropriate AHAs to en	sure safety regu	iirements are m	et.	
		Comments:				
V		All Personnel read and signed				
J]					



320-5 PREPARATORY PHASE INSPECTION / MEETING

Contract Number:		W91ZLK-13-D-0003	Task Order N	o:	000	3				
CAPE Project No.:		21003.003	Date:		4-Apr-17					
Project Location:		Ft. Bliss, TX	•		•					
DFW: Site Re		estoration and Demobilization	Spec Sect.		Drawing					
G. REVI	EW OF WO	RK PERFORMANCE / TESTIN	G / INSPECTIO	N REQUIREM	ENTS:					
✓		Discuss procedures to accom	plish the work, in	cluding points	of control.					
✓		Establish construction tolerand	es and workma	nship standard	ls for this DFW.					
		Review provisions that have b one)	een made to pro	vide required	quality control (checl	k applicable				
✓		Subcontractor / Consultant								
		QC Officer or another member	of QCTeam							
		3rd Party Inspection								
		Quality Control Testing:								
		Tests to be Performed:								
		Frequency of Tests:								
		Testing by Whom:								
		When:								
		Where:	On Site							
	✓	Has Testing Facility Been A	pproved?	Yes	N/A					
				□ No						
		For Testing performed on sit	te, has testing	Yes						
		equipment and test methods		N∘						
		submitted?								
		Has Testing Equipment bee	n calibrated	☐ Yes	N/A					
		before use or calibration certificate been		∐ No						
		provided before use?		1						
>		Verify that portion of Work Plan for work to be performed has been accepted by the government.								
>		Discuss the Initial Control Phase.								

I hereby declare that: The above required materials delivered to the job site and methods and procedures are certified to fully comply with the project requirements.

	b) (6)	
Quality Control Representative:		

MEC Accountability Log Inventory of Munitions Recovered from OB/OD Site 1 and OB Site 2, Biggs AAF, Ft. Bliss, Texas

	MEC Accountability Log									
			Suspect MEC		, ,		Quantity	Item Safe to		
Item Number	Date Recovered	Location	Sheet Number	Depth	Description of Item	Condition	Recovered		Date of Disposal	Comments
1	3/10/2017	OBOD Site 1, Area 1	1	0	37mm Projectile, M54	Unfired	1	Yes	3/10/2017	Turned over to 734 EOD
2 - 6	3/10/2017	OBOD Site 1, Area 1	2	0	37mm Projectile, T324E23	Unfired	5	Yes	3/10/2017	Turned over to 734 EOD
7	3/10/2017	OB2	3	0	40mm Projectile, Mk2	Fired	1	Yes	3/10/2017	Turned over to 734 EOD
8 - 26	3/10/2017	OBOD Site 1, Area 1	4	0	20mm Cartridge, TP, M99	Unfired	19	Yes	3/10/2017	Turned over to 734 EOD
27	3/10/2017	OBOD Site 1, Area 1	5	0	37mm Projectile, M54	Unfired	1	Yes	3/10/2017	Turned over to 734 EOD
28	3/10/2017	OBOD Site 1, Area 1	6	0	Bulk HE (~1 pound)	N/A	1	Yes	3/10/2017	Turned over to 734 EOD
29	3/10/2017	OBOD Site 1, Area 1	7	0	20mm Projectile, HEI, M97	Unfired	1	Yes	3/10/2017	Turned over to 734 EOD
30	3/10/2017	OBOD Site 1, Area 1	8	0	Tracer for 37mm T324E23	N/A	1	Yes	3/10/2017	Turned over to 734 EOD
31 - 32	3/10/2017	OBOD Site 1, Area 1	9	0	20mm Projectile, HEI, M97	Unfired	2	Yes	3/10/2017	Turned over to 734 EOD
33	4/4/2017	OBOD Site 1, Area 1	10	0	37mm Projectile, T324E23	Unfired	1	Yes		
						Total	33			



MDAS Accumulation Form for Drum/Container Number: $\underline{\mathbf{1}}$

Date	Description/NIIN	Qty (lbs)	Type of Treatment*
16-Mar-17	20mm Projectiles	32	
16-Mar-17	37mm Cartridge Cases & Flash Tubes	38	
16-Mar-17	Small Arms Projectiles	40	
16-Mar-17	Engine Starter Cart	1	
16-Mar-17	2.36 Rocket Motor	1	
16-Mar-17	2.75" FFAR Shorting Caps	1	
16-Mar-17	Frag	8	
16-Mar-17	Fuze Parts	4	
20-Mar-17	40mm Flare Case	0.25	
20-Mar-17	20mm Projectiles & Case	1	
20-Mar-17	37mm Flash Tubes	0.75	
20-Mar-17	Small Arms Projectiles	3	
20-Mar-17	Frag	5	
21-Mar-17	20mm Projectiles	5	
21-Mar-17	37mm Cartridge Case, Mk3A2	4	
21-Mar-17	Frag	7	
21-Mar-17	Pusher Plate	1	
27-Mar-17	Small Arms Projectiles & Cases	1	
28-Mar-17	Small Arms Projectiles & Cases	1	
28-Mar-17	20mm Projectiles & Cases	0.5	
28-Mar-17	Frag	0.5	
29-Mar-17	M1A1 Spotting Charge Part	0.5	
29-Mar-17	3.5" Rocket Fin Shroud	0.5	
29-Mar-17	Frag	1	
29-Mar-17	20mm Projectiles & Cases	1	
30-Mar-17	20mm Projectiles & Cases	4	
30-Mar-17	Frag	4	
30-Mar-17	Small Arms Projectiles & Cases	1	
31-Mar-17	20mm Projectiles & Cases	2	
31-Mar-17	Frag	1	
31-Mar-17	Small Arms Projectiles & Cases	1	
3-Apr-17	Small Arms Projectiles & Frag	0.5	
3-Apr-17	20mm Projectiles and Cases	0.5	
4-Apr-17	37mm Cartridge Cases & Flash Tubes	135	
4-Apr-17	Frag	11	
4-Apr-17	20mm Projectiles and Cases	1	
4-Apr-17	40mm Cartridge Cases	1	
	<u> </u>		
	<u></u>		
		1	
		1	
<u> </u>	Total	320	

^{*}If Applicable

Certification Signatures on Reverse



"The material listed on this form has been inspected or processed by DDESB-approved means, as required by DoD policy, and to the best of knowledge and belief does not pose an explosive hazard"

CERTIFIER			
Signature :		Date:	4/4/2017
Printed Name:	(b) (6)		
Position:	UXOSO/UXOQC		
Organization Name:	Cape Environmental Management		
Organization Address:	500 Pinnacle Ct, Suite 100, Norcross, GA	30071	
Organization Phone	Number: (b) (6)		
VERIFIER	(b) (6)		
Signature :		Date:	4/4/2017
Printed Name:	(b) (6)		
Position:	suxos		
Organization Name:	Cape Environmental Management		
Organization Address:	500 Pinnacle Ct, Suite 100, Norcross, GA	30071	
Organization Phone	Number: (b) (6)		

Date 4/5/2017	Ft Bliss Biggs Airfield DAILY SUMMARY

Type of Work	Quantity	Comments
Surface Sweep Transect Linear ft	NA	
DGM Transect collected Linear ft	NA	
DGW Transect Collected Linear It	NA .	
Point Anomalies Investigated ea.	NA	
Pit/Trench Anomalies Investigated	1	No MPPEH found
ea.	·	
Total Industrial debris recovered lbs	NA	
Total Material Documented As Safes (MDAS) recovered today lbs	NA	
(mb/le) recevered teday ise		
Total MPPEH Recovered lb.	NA	
Muntions Identified		
MEC found today (ea)	2	37mm
MEC Turned over today (ea)	NA	
Instructions Received From		
Customer Representative		

Daily Narrative

Arrived on site 0630, Safety brief conducted by Gerry Hills, 6 attendees. Site specific topics: MEC safety, Heavy equipment safe operations, Hydration, sun protection. Completed investigation of backhoe digs in OB/OD 1 and resampling of OB/OD 2. Schedule for 4-6-2017: Begin preparing/packaging of equipment for demobilization. Schedule pick-up of rental equipment.



Daily Report	Num ber:	21003-000	3/024	DAY	Wednesday	Date:		April 5, 201	7
Project Title: RI		RI at Biggs AAF	OB/OD Site 1 and SI at Biggs AAF OB Site II			Contract No	o.:	W91ZLK-13-D-0003	
			Ft Bliss	, Texas		Task Order	No.:	00	03
Weather:	√ Clear	Partly Cloudy	Doudy		Temperature:	43°F	Min.	69°F	Max.
 Wind: Max Wind Spo 	□Calm eed:	√Breeze 12 mph	 Windy	Precipitation: Weat	Rain her Information S	0 ource:	Snow www.accu	o weather.com	

umber	Name	Hours	Cumulative Hours	Employer	Area of Responsibility
APE Supervi	sion				
1	(b) (6)	10.0	220.0	Cape	SUXOS
2	(b) (6) (b) (6)	10.0	220.0	Cape	UXOSO/UXOQC
3	(b) (6)	10.0	220.0	Cape	TECH III
	<u>, , , , , , , , , , , , , , , , , , , </u>				
4	(b) (6)	10.0	220.0	Cape	UXO Tech II
5			197.0	Cape	UXO Tech II
6	(b) (6) (b) (6)		154.0	Cape	UXO Tech II
7	(b) (6)	10.0	220.0	Cape	UXO Escort
8	ţ / - /				
9	(b) (6) _(b) (6)	10.0	220.0	Parsons	Field Technician
10	(b) (6)		119.0	Parsons	Site/Project Geophysicist
11	(-) (-)		47.0	Parsons	Field Technician
	Total Hours:	60.0	1837.0		

2. Equipment (Not Hand Tools): shaded ite	ms indicate equi	ment that has	been taken off re	nt and/or off	site		
Description (Make and Model Number)	Arrival Date	Departure Date	Date of Last Check	Days on Rent	Hours Used	Hours Idle	Hours Repair
Chevy Silverado- White - Cape	3/3/2017		04/05/17	33	3	5	
Chevy Silverado- Black - Cape	3/3/2017		04/05/17	33	3	5	
Nissan Titan 4x4 - Parsons	2/28/2017	4/5/17	04/05/17	36	8	0	
Cushman Hauler ATV (171478 - Cape)	3/3/2017		04/05/17	33	6	2	
Cushman Hauler ATV (168809 - Parsons)	3/1/2017		04/05/17	35	6	2	
John Deere 310p Backhoe	3/25/2017		04/05/17	11	2	6	
RTK GPS	2/28/2017	4/5/17	04/04/17	36	0	3	
EM61 Portable Array	3/13/2017	4/5/17	04/04/17	24	0	3	
3. Work Performed Today: (Indicate locations is used, identify work by activity number)	on and description	n ot work perto	rmed by CAPE ar	nd/or Subcor	ntractors. W	hen network	analysis
a Completed test pit excavations of ID	0 numbers 02-02.	Two 37mm proj	ectiles found.				
b Collected soil samples from OB site	: 2						
С							
d							
е							
f							
g							
ĥ							

4. Thre	e Phase Control Activities Performed:						
	Definable Features of Work (DFW)	Meetings / Inspections Completed					
	2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Preparatory	Initial	Follow-up			
а	Mobilization and Site Preparation	02/28/17	03/01/17	03/03/17			
b	Vegetation Removal	02/28/17	03/01/17	Task Complete 3-1			
С	DGM Operations	02/28/17	03/01/17	03/08/17			
d	Surface MEC Clearance	02/28/17	03/01/17	03/07/17			
е	Munitions Debris Removal and Disposal	02/28/17	03/01/17	03/08/17			
f	MPPEH Inspection and MD Turn-in	03/09/17	03/10/17	03/14/17			
g	Soil Sampling and Analysis	03/10/17	03/13/17	03/31/17			
ĥ	Anomaly Reacquisition	03/16/17	03/17/17	03/20/17			
i	Subsurface Anomaly Investigation	03/16/17	03/20/17	03/31/17			
i	Demobilization	04/04/17	04/05/17				



Daily Report Number: 21003-0003/024 DAY Wednesday Date: April 5, 2017

aboratory Analytica	al Testing:					
Type of Sample	Sample	Sample ID No.	Analyses Requested	Date Sent	Matrix	Comments
Incremental	Date	OBOD1-SU01-SS-01	Explosives, MC Metals, PAHs, pH	to Lab 03/14/17	80	
Incremental	03/13/17	OBOD1-SU02-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO SO	
Incremental		OBOD1-SU03-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/13/17	OBOD1-SU04-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
		OBOD1-SU05-SS-01		03/14/17		
Incremental	03/14/17		Explosives, MC Metals, PAHs, pH Explosives, MC Metals, PAHs, pH	03/14/17	SO SO	
Incremental	03/14/17	OBOD1-SU06-SS-01 OBOD1-SU07-SS-01		03/14/17		MS/MSD
Incremental Grab	03/14/17	EB-031417	Explosives, MC Metals, PAHs, pH Explosives, MC Metals, PAHs	03/14/17	SO	IVIO/IVIOD
	03/14/17				W	£: -1 -1 4: 1: 4
Incremental	03/15/17	OBOD1-AU01-SS-01	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU01-SS-02	PAHs	03/15/17 03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU01-SS-03 OBOD1-AU02-SS-01	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17		PAHs PAHs	03/15/17	SO SO	MS/MSD
Incremental Incremental	03/15/17	OBOD1-AU03-SS-01		03/15/17	SO	field twintings
	03/15/17	OBOD1-SU08-SS-01	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/15/17	OBOD1-SU08-SS-02	Explosives, MC Metals, PAHs, pH			field triplicate
Incremental	03/15/17	OBOD1-SU08-SS-03	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-01	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-02	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-03	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU02-SS-01	PAHs	03/16/17	SO	
Incremental	03/16/17	OB2-SU03-SS-01	PAHs	03/16/17	SO	MS/MSD
Incremental	03/16/17	OBOD1-SU09-SS-01	Explosives, MC Metals, PAHs, Ph	03/16/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-01-12"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-16"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-28"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Grab	03/27/17	EB-032717	Explosives, MC Metals, PAHs	03/27/17	W	
Discriminant	03/28/17	0B0D1-DF6-SS-02-14"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-02-52"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-15"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-42"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-54"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-10"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-31"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-43"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-17"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-47"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-59"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-13"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-38"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-50"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-6"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-24"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-24	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF18-SS-01-15"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-43"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-55"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO SO	MC/MCD D"
Discriminant	03/30/17	0B0D1-DF20-SS-01-17"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	MS/MSD - Duplica
Discriminant	03/30/17	0B0D1-DF20-SS-01-34"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-01-46"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-8"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-28"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-03-8"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	Blind Duplicate
Discriminant	03/30/17	0B0D1-DF20-SS-04-17"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	Blind Duplicate
Discriminant	03/31/17	0B0D1-DF17-SS-02-16"	Explosives, MC Metals, PAHs, Ph	03/31/17	SO	MS/MSD
Discriminant	03/31/17	0B0D1-DF17-SS-02-44"	Explosives, MC Metals, PAHs, Ph	03/31/17	SO	
Discriminant	03/31/17	0B0D1-DF17-SS-02-56"	Explosives, MC Metals, PAHs, Ph	03/31/17	SO	
Discriminant	04/03/17	0B0D1-DF9-SS-01-15"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF9-SS-01-42"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF9-SS-01-54"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-02-12"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-02-36"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-02-48"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-03-12"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	Blind Duplicate
Discriminant	04/03/17	0B0D1-DF14-SS-04-48"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	Blind Duplicate
Discriminant	04/04/17	0B0D1-DF2-SS-01-13"	Explosives, MC Metals, PAHs, Ph	04/04/17	SO	MS/MSD
Discriminant	04/04/17	0B0D1-DF2-SS-01-38"	Explosives, MC Metals, PAHs, Ph	04/04/17	SO	-2,2
Discriminant	04/04/17	0B0D1-DF2-SS-01-50"	Explosives, MC Metals, PAHs, Ph	04/04/17	SO	
Incremental	04/05/17	0B2-SU01-SS-01	Explosives, MC Metals, Ph	04/05/17	SO	
Incremental	04/05/17	0B2-SU01-SS-02	Explosives, MC Metals, 111	04/05/17	SO	
Incremental	04/05/17	0B2-SU01-SS-03	Explosives, MC Metals, 111	04/05/17	SO	
Incremental	04/05/17	0B2-SU02-SS-01	Explosives, MC Metals, Fri	04/05/17	SO	
		0B2-SU02-SS-02	Explosives, MC Metals, Ph			MS/MSD
Incremental	04/05/17	002-3002-33-02	Explosives, IVIC IVIELAIS, PIT	04/05/17	SO	IVIO/IVIOU



Daily Re	port Number:		21003-000	03/024	DAY	Wednesday	Date:	ſ	April 5, 2017	
	ctions Perfor									
	ea / Work Elen				of Inspection on I		Ins	pection Results		leject)
ð lu.	bsurface Anom	aly investig	jation		Area 1, Pit ID's 02-	-02	 	Acce	3pt	
							 			
7. Materi	al Received:	(Note Insp	ection resu	ults and storage	provided)					
	T				Г		_	inspection Results	Γ	_ '
		ļ.	Unit of	1	Cumulative			(Accept or	Complies	with Buy
Item	Descri	ption	Measure	Daily Quantity	Quantity	Storage Pro	vided	Reject)		can Act
а	None								∐Yes	∐No
b									∐Yes	□No
С									∐Yes	□No
					le Steel, and Go	vernment Propert	y:			
	zardous Tran		i and Dispos / Volume		ative Total	Transpoi		1 Die	posal Facil	iė,
	ste Type None	Dany	Volume	Cumula	tive rotal	Hanspor	rter	- Dis	posai racii	ity
	VOLIC	$\overline{}$		+				$\overline{}$		
	able Material 1									
	erial Type	Daily	/ Volume	Cumula	ative Total	Transpoi	rter	Rec	Receiving Facility	
	None	+		+	\longrightarrow			-		
			ed, results	, instructions, ar	nd corrective acti	ons taken)				
	tions Conduct									
Personal P	<u>PPE</u>	X	First Aid Ki		X		<u> </u>	┦	\longrightarrow	
Vehicles Fire Extino	auishers	X	Electrical C Heavy Equ		×		├──	 	\longrightarrow	
						mised equipment,	. etc.			
а	None			,	-0					
b	1									
C	\perp									
d e	+									
	ailgate Safety	Meeting: (sum marize	etopics discusse	ed)					
					ousekeeping, Atter	ntion to detail				
<u> </u>										
Were al	II activities co	anducted in	accordan	ce with EM 385-1	1-12	YES				
		11								
10. Rema	arks: (Instruc	tions recei	ived or giv	en. Conflicts in	Plans and/or Spe	ecifications. Dela	ys encou	ntered)		
<u> </u>										
<u> </u>										
11. Plant	ned Activities	: (List anti	icipated fie	ld activities for I	next day of work)					
	ackage equipr				TORK SING STATE OF					
	unused rental									
<u> </u>										



Daily Report Number:	21003-0003/024	DAY	Wednesday	Date:	April 5, 2017	•
12. Safety Hours:						
Daily safety hours inclu	iding CAPE and Subcontractors:	60.0	Number of On-	-site Workdays:		24
Cumulative safety hour	s to date:	1837.0	Calendar Days	s since Start of W	/ork:	37

Daily safety hours including CAPE and Subcontractors:

Cumulative safety hours to date:

Contractor's Verification: On behalf of the Contractor, I certify that this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as may be noted.

S-Apr-17

Date

5-Apr-17

Date



TAILGATE SAFETY MEETING RECORD

Day / Date: Wednesday, April 05, 2017 Time: 0630

Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB Project Number: W91ZLK-13-D-0003

Client: Ft. Bliss

Location: Ft. Bliss, Texas

Specific Location: Biggs AAF, El Paso, Texas

Work Description: Subsurface Anomaly Investigation; Soil Sampling

Comments:

SAFETY TOPICS PRESENTED

Protective Clothing / Equipment: PPE Level D.

Chemical Hazards: SDS on file with UXOSO

Physical Hazards:

1. Slips, trips and falls.

Attention to Detail

Heavy Equipment Safety

Emergency Procedures: Notify SUXOS and UXOSO immediately. Emergency medical assistance is requested through Base Operations Radio.

Emergency Hospital: William Beaumont Army Medical Center

Hospital Telephone: (915) 742-2121

Hospital Directions: Copy in each vehicle

Special Equipment:

Other: HYDRATE!

Heat stress.

Good housekeeping and hygiene.

Report all injuries to UXOSO, no matter how small they may be.

SAFETY MEETING ATTENDEES

(b) (6)	Name Printed / Initial
	8.
	9.
	10.
	11.
	12.
	13.
	14. (b) (6)
	uld Hills, U2



320-1 SITE CONTROL LOG (SCL)

Contract Number:	W91ZLK-13-D-0003	Task Order No:	0003
CAPE Project Number:	21003.003	Date:	April 5, 2017
Project Location:	Ft.Bliss, TX		
Project Description:	RI at Biggs OB/OD Site I and SI at Biggs	s OB Site II	

TIME			
IN	OUT	NAME	ORGANIZATION
130	OUT 1700		CABE
α ₂ 30 Ομ30	1700		CAPE CAPE CAPE CAPE
CG-30	1700		CAPE
Ju30	1700		CADE
8030	1700		PARSONS
0630	1700		CAPE
		<u> </u>	·

ACCUTEST

SGS Accutest Southeast Chain of Custody

SES ACCUTEST JOE # :

				TEL 4		DE TIME	1112					80	SE A	icule:	it Cour	TO IT		SKI			
Company Na	Client / Reporting Information			THE R	Proje	ci into	nuntio	OD I							1	in my line	ent le	dem	allon		Mente 0
	Parsons		Project N	THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW		BLES															D/0 15
8 ann Coutre Oach De																					Wast
City: Aus	City: Austin State: 7X Zur 78754				50	-		- 1	ilate .	7X						1					1997 W
Project Cont	(b) (6)	10101	Project #	17/1	-					CONT.	_		1					1			Vente
Phone #1	512.476.5042		Fac 4						-		-						113				11 52 0
Sampler(s)	(6) (b) (6)		Client Pu	rchasa O	rder F			-	-	_			188		8						Lig-Git
Sampler 1	Sampler 2:	Cage)	COLLECTION				CONTAIN	en iken	maint extend			1/2	alosive		₹						Day Au
SGS			COCLEGION					EH MFG	REMORT HOW	1	E	et	19		1						3013-70
Accutest Sample #	Fjeld ID / Point of Collection	рате	TIME	SAMPLED BY:	MATRIX	TOTAL I	STHER	Q Q	HOP	LUSION A	SINNAT	15	w	10	3						Lieussu
	oboot-edb	4517		BB	50											ME					
	082-5401-55-01		1000			1						X	X	X	BB						
The state of the s	182-5401-55-02		1000								H	X	X	X							
	B2-5401-55-03		1000		11		++				H	X	X	X	+	+				+	-
0	B2-5402-55-61		0830		+	1	+				++	K	10	X	~				-		
	82-5403-55-02		1100		-	1	++					1	1	_	4						
							+				+		-								
																	Co	mmon	to / De	emerks	
	Turnaround Time (Business days					ata Del		THE RESERVE	Street Section		_	_	_				-				
1	o may (managed)	ved By: / Date				CIAL "A" CIAL "B"								RS	Tu	IN I	(00)	LER	To	PAI	RSONS
7	Day RUSH STAND	1	T			PA LEVI		02.0		770											
	Day	109A	150			PA LEV									A see				_	-	
	Day RUSH STAND			ED	D'S																
(5)	Day RUSH -													-				-			
															100	(frame)			•		_
- 80	Rush T/A Data Available VIA Email or	CHILD IN THE PARTY	y must be	docume	nted be	low eac	h time	samp	les ch	ange p	y/Affili	sion, l	includ	ing cou	tier de	late Time	H	Receiv	Vad By/	Athibatic	ijī.
(6)	Date Time:	Received By/	ffiliation					He	muluis	HICU O	growth.	-10.200						4	To Maria	A BUILT - 21	
	14/5/17 1400	2	aggradian.					Re	Inquis	hed B	y/Affill	ation			1	date Time	W-	Hecel	red By/	Affillatio	
Leminniane	Date Time:	Received By/	mination.					7										18			
		6																		-	
willes Or	nly : Cooler Temperature (s) Celsius:						-		-											-	-

MEC Accountability Log Inventory of Munitions Recovered from OB/OD Site 1 and OB Site 2, Biggs AAF, Ft. Bliss, Texas

			, , , , , , , , , , , , , , , , , , , ,		MEC Accountability Log	, , ,	, ,			
			Suspect MEC		, ,		Quantity	Item Safe to		
Item Number	Date Recovered	Location	Sheet Number	Depth	Description of Item	Condition	Recovered	Move	Date of Disposal	Comments
1	3/10/2017	OBOD Site 1, Area 1	1	0	37mm Projectile, M54	Unfired	1	Yes	3/10/2017	Turned over to 734 EOD
2 - 6	3/10/2017	OBOD Site 1, Area 1	2	0	37mm Projectile, T324E23	Unfired	5	Yes	3/10/2017	Turned over to 734 EOD
7	3/10/2017	OB2	3	0	40mm Projectile, Mk2	Fired	1	Yes	3/10/2017	Turned over to 734 EOD
8 - 26	3/10/2017	OBOD Site 1, Area 1	4	0	20mm Cartridge, TP, M99	Unfired	19	Yes	3/10/2017	Turned over to 734 EOD
27	3/10/2017	OBOD Site 1, Area 1	5	0	37mm Projectile, M54	Unfired	1	Yes	3/10/2017	Turned over to 734 EOD
28	3/10/2017	OBOD Site 1, Area 1	6	0	Bulk HE (~1 pound)	N/A	1	Yes	3/10/2017	Turned over to 734 EOD
29	3/10/2017	OBOD Site 1, Area 1	7	0	20mm Projectile, HEI, M97	Unfired	1	Yes	3/10/2017	Turned over to 734 EOD
30	3/10/2017	OBOD Site 1, Area 1	8	0	Tracer for 37mm T324E23	N/A	1	Yes	3/10/2017	Turned over to 734 EOD
31 - 32	3/10/2017	OBOD Site 1, Area 1	9	0	20mm Projectile, HEI, M97	Unfired	2	Yes	3/10/2017	Turned over to 734 EOD
33	4/4/2017	OBOD Site 1, Area 1	10	0	37mm Projectile, T324E23	Unfired	1	Yes		
34 - 35	4/5/2017	OBOD Site 1, 02-02	11	1	37mm Projectile, T324E23	Unfired	2	Yes		
						Total	35			



320-6 INITIAL PHASE INSPECTION / MEETING

Contract Number:		W91ZLK-13D-003	Task Order No	:	003		
CAPE Project No.:		21003.003	Date:		5-Apr-17		
Project Location: Ft. Bliss, TX							
DFW: Demobilization and Site Restoration		Spec Sect.		Drawing			

1. INITIAL	. INITIAL PHASE INSPECTION / MEETING ATTENDEES:						
	NAME	POSITION	COMPANY / CLIENT				
1	(b) (6)	suxos	Cape				
2	(b) (6)	UXOSO/UXOQC	Cape				
3	(b) (6)	Field Technician	Parsons				
4	(b) (6)	UXO Tech III	Cape				
5	(b) (6)	UXO Tech II	Cape				
6	(b) (6)	UXO Escort	Cape				
Was Clie	nt Representative notified?	☐ Yes ✓ No					

2. INITIAL	PHASE IN:	SPECTION CHECKLIST:			
A. GENE	RAL ITEM	S:			
Done	N/A	Description	Results	Action	ltems
✓		Check preliminary work and review minutes of	the Preparatory	Inspection / Mee	ting.
>		Check that materials and equipment being use	d comply with pr	oject requiremer	nts.
>		Check the work to ensure it is full compliance w	vith the project re	equirements.	
B. CONT	ROLS TO	ASSURE FULL COMPLIANCE:			
		Controls		Testing	
		✓ QC Officer Observations	Checked Test	ing procedure	
\checkmark		Qualified Inspector	Checked Instr	umentation Calibrat	ion
		3rd Party Inspection & Testing	Checked reco	rding Forms & Track	ing ID N o.
		Other,	✓ None		
C. ESTA	BLISH LEV	EL OF WORKMANSHIP:			
		Work Location: OBOD Site 1 a	nd OB Site 2		
✓		Is a sample panel required?		Yes	✓ No
		Is initial work considered as a sample?		☐ Yes	✓ No
✓		Check for omissions and resolve any difference	es or interpretation	ons with the gov	ernment/client
Ť		representative.			
✓		Check safety to include compliance with Safety	Plan and Activit	y Hazard Analys	es. Review the
Ŭ		Activity Hazard Analyses.			
		Were procedures and work methods	✓ Yes		
✓		witnessed in strict compliance with project	□N∘	1	
		requirements?		1	
		Is a re-inspection required?	Yes		
✓			✓ No	1	
				1	
D. BRIEF	SUMMAR	Y OF INITIAL INSPECTION PROCEDURE AND	RESULT, POIN	TS OF CONCE	RN, ETC.:
All work/pr	ocedures	observed were safely conducted and IAW with	n project docun	nents.	
•					



320-6 INITIAL PHASE INSPECTION / MEETING

Contract Number:		W91ZLK-13D-003	W91ZLK-13D-003 Task Order No:)3
CAPE Project No.:		21003.003	Date:		5-Ap	or-17
Project Location: Ft. Bliss, TX				-		
DFW: Demobilization and Site Restoration		Spec Sect.		Drawing		

	(b) (6)	
Quality Control Representative:		



HEAVY EQUIPMENT INSPECTION REPORT

Day / Date:	Wednesday, April 05, 2017			
Project Name:	I Biggs AAF Site 1			
Project Location:	Biggs AAF, El Paso, Texas			
Equipment Type:	Backhoe			
Mfr / Model:	John Deere 310EP			

Inspection Description	Checked	Observations (readings, levels, condition, damage, repairs needed)
General appearance	V	
Hour meter reading	25799	
Engine operation / check belts	~	
Engine oil / water level	V	
Transmission oil level	~	
Hydraulic / misc. oil level	-	
Brake operation / fluid level	-	
Grease		
Batteries	~	
Fuel level (gas / diesel)		
Hoses & fittings (air, hydraulic)		
Operation / controls	i.	
Tires / tracks		
Cab (mirrors, seatbelt, glass, horn, turn signals, lights, wipers)	·	
Back-up lights and alarm		
Fire extinguisher condition	-	
Coupling devices and connectors	11/A	
Exhaust system		
Blade / boom / bucket	-	
Frame, ladders and walkway	~	
Steering	-	

Defects and Repairs Needed / Comments:

	(b) (6)			
Inspected By:				

Date 4/6/2017	Ft Bliss Biggs Airfield DAILY SUMMARY
---------------	---------------------------------------

Type of Work	Quantity	Comments
Surface Sweep Transect Linear ft	NA	
DGM Transect collected Linear ft	NA	
Point Anomalies Investigated ea.	NA	
· omer monance mreengated out		
Distriction in Assessment and a second		
Pit/Trench Anomalies Investigated ea.	NA	
Total Industrial debris recovered lbs	NA	
Total Material Documented As Safes (MDAS) recovered today lbs	NA	
Total MPPEH Recovered lb.	NA	
Muntions Identified		
MEC found today (ea)	NA	
MEC Turned over today (ea)	NA NA	
	101	
		1
Instructions Received From		
Customer Representative		

Daily Narrative

Arrived on site 0630, Safety brief conducted by Gerry Hills, 5 attendees. Site specific topics: Hydration, sun protection. Began preparing/packaging of equipment for demobilization. Backhoe picked up. Schedule for 4-7-2017: Continue preparing/packaging of equipment. Site Restoration. Porta-pot and rolloff pick up. Ship



Daily Report N	lum ber:	21003-000	3/025	DAY	Thursday	Date:		April 6, 2017	7
Project Title:		RI at Biggs AAF	Contract No.:		W91ZLK-13-D-0003				
			Ft Bliss, Texas			Task Order No.:		0003	
Weather:	☐ Clear	Partly Cloudy	Doudy		Temperature:	44°F	Min.	75°F	Max.
Wind: Max Wind Spe	√Calm ed:	Breeze 9 mph	 Windy	Precipitation: Weati	Rain er Information S	ource:	Snow www.accur	o weather.com	

umber	Name	Hours	Cumulative Hours	Employer	Area of Responsibility
APE Supe	rvision				
1	(b) (6)	10.0	230.0	Cape	SUXOS
2	Gerould Hills	10.0	230.0	Cape	UXOSO/UXOQC
3	Temple Coffindaffer	10.0	230.0	Cape	TECH III
4	Gery Base	10.0	230.0	Cape	UXO Tech II
5	Ed Fisher		197.0	Cape	UXO Tech II
6	Dave Cole		154.0	Cape	UXO Tech II
7	Laura Coffindaffer	10.0	230.0	Cape	UXO Escort
8					
9	Bill Butler		220.0	Parsons	Field Technician
10	Brett Lyons		119.0	Parsons	Site/Project Geophysicist
11	Edward Ofoari-asabere		47.0	Parsons	Field Technician
	Total Hours:	50.0	1887.0		
Comments	(List any Visitors to Project and	d purpose of Vis	it):		

Description (Make and Model Number)	e	Departure Date	Date of Last Check	Days on Rent	Hours Used	Hours Idle	Hours Repair
Chevy Silverado- White - Cape	3/3/2017	1	04/06/17	34	3	5	11-ф-111
Chevy Silverado- Black - Cape	3/3/2017		04/06/17	34	3	5	
Nissan Titan 4x4 - Parsons	2/28/2017	4/5/17	04/05/17	37	8	D I	1
Cushman Hauler ATV (171478 - Cape)	3/3/2017		04/06/17	34	6	2	
Cushman Hauler ATV (168809 - Parsons)	3/1/2017		04/06/17	36	6	2	
John Deere 310p Backhoe	3/25/2017	4/6/17	04/06/17	12	2	6	
RTK GPS	2/28/2017	4/5/17	04/04/17	37	0	3	
EM61 Portable Array	3/13/2017	4/5/17	04/04/17	25	0	3	
Comments:							
3. Work Performed Today: (Indicate locatio	n and descriptio	n ot work perto	rmed by CAPE ar	nd/or Subcon	tractors. W	hen network	analysis
6. Work Performed Today: (Indicate locatio s used, identify work by activity number)		n of work perfo	rmed by CAPE ar	nd/or Subcon	tractors. W	hen network	analysis
5. Work Performed Foday: (Indicate locations used, identify work by activity number) a Cleaned and packaged equipment f		n ot work perto	rmed by CAPE ar	nd/or Subcon	tractors. W	hen network	c analysis
S. Work Performed Today: (Indicate locations used, identify work by activity number) a Cleaned and packaged equipment for body by decontamination of backhoe.	or demobilization	n of work perfo	rmed by CAPE ar	nd/or Subcon	tractors. W	hen network	c analysis
Work Performed Today: (Indicate locations used, identify work by activity number) Cleaned and packaged equipment for bour Dry decontamination of backhoe. Prepared MDAS barrel for shipment	or demobilization						
S. Work Performed Today: (Indicate locations used, identify work by activity number) a Cleaned and packaged equipment for bour Dry decontamination of backhoe. c Prepared MDAS barrel for shipment Model Notified Victor Garcia, DPW, to require	or demobilization						
Work Performed Today: (Indicate locations used, identify work by activity number) a Cleaned and packaged equipment for bour Dry decontamination of backhoe. c Prepared MDAS barrel for shipment Modern Notified Victor Garcia, DPW, to require	or demobilization						
S. Work Performed Today: (Indicate locations used, identify work by activity number) a Cleaned and packaged equipment for the properties of both the properties of the proper	or demobilization						
3. Work Performed Today: (Indicate locations used, identify work by activity number) a Cleaned and packaged equipment for the properties of the properties	or demobilization						

	Definable Features of Work (DFW)	Meetings / Inspections Completed					
	,	Preparatory	Initial	Follow-up			
а	Mobilization and Site Preparation	02/28/17	03/01/17	03/03/17			
b	Vegetation Removal	02/28/17	03/01/17	Task Complete 3-1			
С	DGM Operations	02/28/17	03/01/17	03/08/17			
d	Surface MEC Clearance	02/28/17	03/01/17	03/07/17			
е	Munitions Debris Removal and Disposal	02/28/17	03/01/17	03/08/17			
f	MPPEH Inspection and MD Turn-in	03/09/17	03/10/17	03/14/17			
g	Soil Sampling and Analysis	03/10/17	03/13/17	03/31/17			
h	Anomaly Reacquisition	03/16/17	03/17/17	03/20/17			
i	Subsurface Anomaly Investigation	03/16/17	03/20/17	03/31/17			
i	Demobilization	04/04/17	04/05/17	04/06/17			



Daily Report Number: 21003-0003/025 DAY Thursday Date: April 6, 2017

Tests Performed an		ults:				
aboratory Analytica					•	
Type of Sample	Sample	Sample ID No.	Analyses Requested	Date Sent	Matrix	Comments
Incremental	Date	OBOD1-SU01-SS-01	Explosives, MC Metals, PAHs, pH	to Lab 03/14/17	60	
Incremental Incremental	03/13/17	OBOD1-SU02-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO SO	
Incremental	03/13/17	OBOD1-3002-33-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/13/17	OBOD1-SU04-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU05-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU06-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU07-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	MS/MSD
Grab	03/14/17	EB-031417	Explosives, MC Metals, PAHs	03/14/17	W	
Incremental	03/15/17	OBOD1-AU01-SS-01	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU01-SS-02	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU01-SS-03	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU02-SS-01	PAHs	03/15/17	SO	MS/MSD
Incremental	03/15/17	OBOD1-AU03-SS-01	PAHs	03/15/17	SO	
Incremental	03/15/17	OBOD1-SU08-SS-01	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/15/17	OBOD1-SU08-SS-02	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/15/17	OBOD1-SU08-SS-03	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-01	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-02	PAHs	03/16/17	SO SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-03 OB2-SU02-SS-01	PAHs	03/16/17 03/16/17	SO SO	field triplicate
Incremental Incremental	03/16/17	OB2-SU02-SS-01	PAHs PAHs	03/16/17	SO	MS/MSD
Incremental	03/16/17	OBOD1-SU09-SS-01	Explosives, MC Metals, PAHs, Ph	03/16/17	SO	IVIO/IVIOU
Discriminant	03/10/17	OBOD1-3009-33-01 OBOD1-DF29-SS-01-12"	Explosives, MC Metals, PAHs, Ph	03/10/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-01-12	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-10	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Grab	03/27/17	EB-032717	Explosives, MC Metals, PAHs	03/27/17	W	
Discriminant	03/28/17	0B0D1-DF6-SS-02-14"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-02-52"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-15"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-42"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-54"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-10"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-31"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-43"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-17"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-47"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-59"	Explosives, MC Metals, PAHs, Ph	03/29/17 03/29/17	SO SO	
Discriminant Discriminant	03/29/17	0B0D1-DF22-SS-01-13" 0B0D1-DF22-SS-01-38"	Explosives, MC Metals, PAHs, Ph Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-50"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-30 0B0D1-DF22-SS-02-6"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-24"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-24	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF18-SS-01-15"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-43"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-55"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-01-17"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	MS/MSD - Duplica
Discriminant	03/30/17	0B0D1-DF20-SS-01-34"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	,
Discriminant	03/30/17	0B0D1-DF20-SS-01-46"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-8"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-28"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-03-8"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	Blind Duplicate
Discriminant	03/30/17	0B0D1-DF20-SS-04-17"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	Blind Duplicate
Discriminant	03/31/17	0B0D1-DF17-SS-02-16"	Explosives, MC Metals, PAHs, Ph	03/31/17	SO	MS/MSD
Discriminant	03/31/17	0B0D1-DF17-SS-02-44"	Explosives, MC Metals, PAHs, Ph	03/31/17	SO SO	
Discriminant Discriminant	03/31/17	0B0D1-DF17-SS-02-56"	Explosives, MC Metals, PAHs, Ph Explosives, MC Metals, PAHs, Ph	03/31/17 04/03/17	SO SO	
Discriminant	04/03/17 04/03/17	0B0D1-DF9-SS-01-15" 0B0D1-DF9-SS-01-42"	Explosives, MC Metals, PAHs, Ph Explosives, MC Metals, PAHs, Ph	04/03/17	SO SO	
Discriminant	04/03/17	0B0D1-DF9-SS-01-42 0B0D1-DF9-SS-01-54"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF9-33-01-34 0B0D1-DF14-SS-02-12"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-02-12	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-02-30	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-02-40	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	Blind Duplicate
Discriminant	04/03/17	0B0D1-DF14-SS-04-48"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	Blind Duplicate
Discriminant	04/04/17	0B0D1-DF2-SS-01-13"	Explosives, MC Metals, PAHs, Ph	04/04/17	SO	MS/MSD
Discriminant	04/04/17	0B0D1-DF2-SS-01-38"	Explosives, MC Metals, PAHs, Ph	04/04/17	SO	
Discriminant	04/04/17	0B0D1-DF2-SS-01-50"	Explosives, MC Metals, PAHs, Ph	04/04/17	SO	
Incremental	04/05/17	0B2-SU01-SS-01	Explosives, MC Metals, Ph	04/05/17	SO	
Incremental	04/05/17	0B2-SU01-SS-02	Explosives, MC Metals, Ph	04/05/17	SO	
Incremental	04/05/17	0B2-SU01-SS-03	Explosives, MC Metals, Ph	04/05/17	SO	
	04/05/17	0B2-SU02-SS-01	Explosives, MC Metals, Ph	04/05/17	SO	
Incremental	0 1/00/11	0B2-SU02-SS-02	Explosives, MC Metals, Ph	04/05/17	SO	

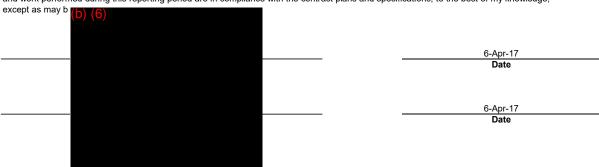


Daily Rep	port Number:		21003-000)3/025	DAY	Thursday	Date:	ļ	April 6, 2017
6. Inspec	tions Perfom	ned and ins	spection Re	esults:					
Are	ea / Work Eler	ment Inspe	cted	Location	of Inspection on	Project Site	Insp	ection Results	(Accept / Reject)
							↓		
7 Materia	al Received:	(Note Insp	ection resu	ilts and storage	provided)				
11 111000	T	(IVO TO III S		its una storage	0101111011	T		Inspection	
				1				Results	
	Ι		Unit of	1 !	Cumulative	<u> </u>		(Accept or	Complies with Buy
Item	Descri	ption	Measure	Daily Quantity	Quantity	Storage Pro	vided	Reject)	American Act
а	None		igwdow		<u> </u>	<u> </u>			
b	↓		igsquare			<u> </u>			∐r⁄asNo
С					<u> </u>				∏Yes □No
o Tranco	ortation and	Dienosal (f Limite (Solide Recyclal	ble Steel, and Go	wrament Prepert			
	zardous Tran				He steer, and Go	vernillent Flopert	у.		
	zaruous rran ste Type		Volume		ative Total	Transpoi	rter	l Dis	posal Facility
	None		P G I GILL.	+				+	, v v v v v v v v v v v v v v v v v v v
				1					
	ble Material				=				= 1114
	rial Type	Daily	Volume	Cumuia	ative Total	Transpoi	rter	Rec	eiving Facility
l,	None	 		+	\longrightarrow			+	
								L	
9. Job Sa	afety: (List ite	ems check	ed, results,	instructions, ar	nd corrective acti	ons taken)			
	ions Conduct	ted:							
Personal F	PE	Х	First Aid Kit		X				
Vehicles	in-lane	X	Electrical C		X		 	┦───	
Fire Exting			Heavy Equi		^ naged or compron	mised equipment	stc		
a	None	Ylviacions,	Concours	Illeasures, we	ages of comp. c.	msea equipme	, e.v.		
b	1455								
С									
d									
e Daile Ta	I wate Batate	ta - times /	a via a	4i die sues	15				
				topics discusse Heat Stress Ho	ea) ousekeeping, Mate	erial Handling			
Olips, Imp.	<u>5 aliu i alis, 1 k</u>	3063103, 40	Tilcic Galery	, 116ac on 633, 116	ласкоория, нас	arai i ranamiy			
	•								
		· 41 i							
Were all	l activities co	nducted in	accordanc	ewith EM 385-1	1-1?	YES			
10 Rema	erke: (Instruc	tione recei	ued or aive	n Conflicts in	Plans and/or Spe	saificatione Dela	S ANCAU	storodi	
IV. IXEIIIA	IIKS. (IIISU uv	LIVIIS ICCG	Veu or give	n. Commets in	Plans answer spe	Cilications. Deta	ys encour	iterea/	
					next day of work)				
	ackage equipr								
Site Resto	remaining ren	ıtar equipme	/IIL.						
Ship MDA									



Daily Report Number:	21003-0003/025	DAY	Thursday	Date:	April 6, 2017	
1						
12. Safety Hours:						
Daily safety hours inclu	iding CAPE and Subcontractors:	50.0	Number of On-	site Workdays:		25
Cumulative safety hour	s to date:	1887.0	Calendar Days	since Start of V	Vork:	38

Contractor's Verification: On behalf of the Contractor, I certify that this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge,





TAILGATE SAFETY MEETING RECORD

Day / Date: Thursday, April 06, 2017 Time: 0630

Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB
Project Number: W91ZLK-13-D-0003

Client: Ft. Bliss Location: Ft. Bliss, Texas

Specific Location: Biggs AAF, El Paso, Texas

Work Description: Site Clean-up, Equipment Inventory and Packing, Rental Equipment Turn In

Comments:

SAFETY TOPICS PRESENTED

Protective Clothing / Equipment: PPE Level D.

Chemical Hazards: SDS on file with UXOSO

Physical Hazards:

1. Slips, trips and falls.

- 2. Material Handling
- 3. Heavy Equipment Safety

Emergency Procedures: Notify SUXOS and UXOSO immediately. Emergency medical assistance is requested through Base Operations Radio.

Emergency Hospital: William Beaumont Army Medical Center

Hospital Telephone: (915) 742-2121

Hospital Directions: Copy in each vehicle

Special Equipment:

Other: HYDRATE!

- 1. Heat stress.
- 2. Good housekeeping and bygiene.
- 3. Report all injuries to UXOSO, no matter how small they may be.

Name Printed / Initial

SAFETY MEETING ATTENDEES

Name Printed / Initial

(b) (6)



320-1 SITE CONTROL LOG (SCL)

Contract Number:	W91ZLK-13-D-0003	Task Order No:	0003
CAPE Project Number:	21003.003	Date:	April 6, 2017
Project Location:	Ft.Bliss, TX		
Project Description:	RI at Biggs OB/OD Site I and SI at Bigg	s OB Site II	

TI	ME				
IN	OUT	NAME b) (6)	ORGANIZATION		
930	1700		CAPE (APE		
0630 0630	1700		ENDE		
0%, 30	1700		· APE		
0630	1700		CAPE		
0630	1700		(APE		
	_		_		

CAPE Form 320-1, Revised January, 2009



320-6 FOLLOW UP PHASE INSPECTION

Contract Number:		W91ZLK-13-D-0003	Task Order No:		0003	
CAPE Project No.:		21003.003	Date:		6-Apr-17	
Project Location:		Biggs AAF, Ft. Bliss, El Paso, 1	Texas			
DFW: Demobi		lization and Site Restoration	Spec Sect.		Drawing	

1. INITIAL	I. INITIAL PHASE INSPECTION / MEETING ATTENDEES:							
	NAME	COMPANY / CLIENT						
1	(b) (6)	suxos	Cape					
2	(b) (6)	UXOSO/UXOQC	Cape					
3	(b) (6)	UXO Tech III	Cape					
4	(b) (6)	UXO Tech II	Cape					
5	(b) (6)	UXO Escort	Cape					
Was Clie	nt Representative notified?		Yes Vo					

		SPECTION CHECKLIST:			
	RAL ITEMS				
Done	N/A	Description	Results		n Items
✓		Check preliminary work and review minutes of t			
	✓	Check that materials and equipment being used	d comply with pr	oject requireme	ents.
✓		Check the work to ensure it is full compliance w	ith the project re	equirements.	
B. CONT	ROLS TO	ASSURE FULL COMPLIANCE:			
		Controls		Testing	
		✓ QC Officer Observations	Checked Testi	ng procedure	
✓		Qualified Inspector	Checked Instr	umentation Calibra	ition
		3rd Party Inspection & Testing	Checked reco	ding Forms & Trac	king ID No.
		Other,	✓ None		
C. ESTA	BLISH LEV	EL OF WORKMANSHIP:			
		Work Location: OBOD Site 1			
✓		Is a sample panel required?		Yes	✓ No
		Is initial work considered as a sample?		Yes	✓ No
7		Check for omissions and resolve any difference	es or interpretation	ons with the go	vernment/client
]		representative.			
\		Check safety to include compliance with Safety	Plan and Activit	y Hazard Analy	ses. Review the
		Activity Hazard Analyses.			
		Were procedures and work methods	✓ Yes		
✓		witnessed in strict compliance with project	N∘		
		requirements?			
		Is a re-inspection required?	Yes		
	✓		N∘		



320-6 FOLLOW UP PHASE INSPECTION

Contract Number: W91ZLK-13-D-0003		W91ZLK-13-D-0003	Task Order No:		0003	
CAPE Project No.:		21003.003	Date:		6-Apr-17	
Project Loc	Project Location: Biggs AAF, Ft. Bliss, El Paso, Texas					
DFW:	Demobi	lization and Site Restoration	Spec Sect.		Drawing	

D.	BRIEF	SUMMARY	OF INITIAL	INSPECTION	N PROCED	URE AND R	ESULT, PO	NTS OF CO	NCERN, E	TC.:
All p	rocedu	res IAW with	UFP-QAPP	and SSHP.						
						(b) (6)				Ī
						(-) (-)				
		Quality Con	trol Repres	entative:						
				_						

			_ ·			
US ARMY CORPS OF ENGINEERS (USACE) MUNITIONS RESPONSE QUALITY ASSURANCE REPORT (QAR) FORM The proponent agency is CESO. See instructions on page 2.			1. REPORT NO. (1,2,3, etc., for the Task Order (T.O.))			
2. USACE REPRESENTATIVE'S NAME (b) (6) J		3. DATE ACTIVITY COMPLETED 2017-04-04				
4. PROJECT NAME RI at Biggs AAF OB/OD Site 1 and SI	5. PROJECT LOCATION Biggs AAF, El Paso,			6. WEATHER CONU. Sunny, Lo-45; Hi-		
7. CONTRACTOR			ONTRACT NUMBER			
Parsons/Cape		9. T	.O. NUMBER	0003		
10. DISTRIBUTED TO (check boxes and insert individe	ual's name)					
a. District Program/Project Manager Richard Sr.	nith		b. Design Center			
c. Remedial Action District TM			d. Contractor			
11. RESPONSE DUE DATE (Based on type of nancon	formance, IF REQUIRED,)				
12. TYPE OF ACTIVITY CONDUCTED (Include types MDAS inspection.	of inspections/audits cond	fucte	d, operations observe	ed, etc.)		
13. RESULTS AND OBSERVATIONS Quality Assurance inspection was conducted on inspection. All MDAS ready for shipment. No o		speci	tion was conducted	l by the team and ver	rified through QA	
14. DEFICIENCY TYPE (select one) X a. Not.	Applicable b.	Criti	cal 🗍 c. Maj	or 🔲 d. Minor		
e. Other, Specify						
15. DATE		16. USACE REPRESENTATIVE'S SIGNATURE				
2017-04-04		MY	ERS.DENNIS.J.1010	9877330 SECTATORS	THE SECRET IN PORTS A SECRET SECRET IN PROPERTY OF THE SECRET SECRET IN PROPERTY OF THE SECRET SECR	
17. CONTRACTOR REPRESENTATIVE'S NAME Ge	rould Hills, UXOQC,	Саре	Environmental		18. DATE 2017-04-06	
19. CONTRACTOR REPRESENTATIVE'S SIGNATUR	E (indicating receipt of the	e QA (b)	R) (6)			
20. The Contractor will provide the following inform Please contact the Contracting Officer's Repres						
Contractor Response as to Cause and Actions Take changes in plans, procedures, or practices).	л to Correct Current Cond	Sition	and to Prevent Recu	rrence (cite applicable α	quality control procedures or	
b. Contractor Representative's Authentication (form me	ust be signed before return	ning)				
(1) Printed Name (2) Title			(3) Date Signed	(4) Signature		
с. Government Evaluation (acceptance, partial acceptance, etc.)						
d. Government Actions (reduced payment, cure notice	, show cause, other)					
e. Close Out Name			Title	Date (YYYY-MM-DD)	Signature	
(1) Contractor Notified						
(2) USACE PDT Representative						
(3) Contracting Officer or COR	-					



MAGNETOMETER/METAL DETECTOR CHECK SHEET

SITE: Biggs AAF	OB/OD Site 1 and OB Site 2 CONTRACT TASK ORDE	: W91ZLK-13-D-0003 R#: 0003		
TEAM#: 1	TEAM LEADER:	Temple Coffindaffer		
INSTRUMENT 1	TYPE: Fisher All-Metals SERIAL#: 04	1406891		
DATE	OPERATIONAL CHECK	AM	PM	REMARKS
4-3-17	IVS Function Check	11955	PAS	
4-4-17	IVS Function Check	NASS NASS	1955	
4-5-17	IVS Function Check	NA 55	PA55	
4-6-17	IVS Function Check			PACKED FOR DE YORE
4-7-17	IVS Function Check			



SITE: Biggs AAF	OB/OD Site 1 and OB Site 2 CONTRACT: W91ZLK TASK ORDER#: 0003	-13-D-0003		
TEAM#: 1	TEAM LEADER: Temple Con	ffindaffer		
INSTRUMENTI	YPE: Schonstedt SERIAL#: 153694			
DATE	OPERATIONAL CHECK	AM	PM	REMARKS
4-3-17	IVS Function Check	FA55	P455	
4-4-17	IVS Function Check	PA55 PA55	11.455	
4-5-17	IVS Function Check	PASS	DAS5	
4-6-17	IVS Function Check			PACKED FOR DE YOBE
4-7-17	IVS Function Check			

CAPE

29 April, 2013 Revision: 00

Page 1 of 1



SITE: Biggs AAF	OB/OD Site 1 and OB Site 2	CONTRACT: W91ZLK- TASK ORDER#: 0003	-13-D-0003		, inc.
TEAM#: 1	Т	EAM LEADER: Temple Coff	findaffer		
INSTRUMENT 1	ΓΥΡΕ: Schonstedt	SERIAL#: 282306			
DATE	OPERATIONAL CHECK		AM	PM	REMARKS
4-3-17	IVS Function Check		PASS	PA83	
4-4-17	IVS Function Check		DASS	PASS	
4-5-17	IVS Function Check		PASS	PA55	
4-6-17	IVS Function Check				DE TOBO
4-7-17	IVS Function Check				
				1	



SITE: Biggs AAF OB/OD Site 1 and OB Site 2		CONTRACT: W91ZLK- TASK ORDER#; 0003	-13-D-0003		
TEAM#; 1	5	TEAM LEADER: Temple Cof	findaffer		
INSTRUMENT TYPE: Schonstedt SERIAL#: 297276					
DATE	OPERATIONAL CHECK		AM	PM	REMARKS
4-3-17	IVS Function Check		PASS	PASS	
4-4-17	IVS Function Check		PA55 PA55 PA55	PASS 0,955	
4-5-17	IVS Function Check		PA55	PA 95	
4-6-17	IVS Function Check	-			DEMOBE
4-7-17	IVS Function Check				

CAPE

29 April, 2013 Revision: 00



Stie: Biggs AAF	OB/OD Site 1 and OB Site 2 CONTRACT TASK ORDE	F: W91ZLK-13-D-0003 ER#: 0003			
EAM#: I	TEAM LEADER:	Temple Coffindaffer			
INSTRUMENTTYPE: Schonstedt SERIAL#: 297275					
DATE	OPERATIONAL CHECK	AM	PM	REMARKS	
4-3-17	IVS Function Check	PA55	DA55		
4-4-17	IVS Function Check	PA55 PA55	P.555 0.455		
4-5-17	IVS Function Check	PA55	0.455		
4-6-17	IVS Function Check			DEMUBE	
4-7-17	IVS Function Check				



HEAVY EQUIPMENT INSPECTION REPORT

Date / Day:	Date / Day: Thursday, April 06, 2017	
Project Name: RI Biggs AAF Site 1		
Project Location: Biggs AAF, El Paso, Texas		
Equipment Type:	Backhoe	
Mfr / Model:	John Deere 310EP	

		Observations
Inspection Description	Checked	(readings, levels, condition, damage, repairs needed)
General appearance	~	
Hour meter reading	<i>i</i>	2588.5 her
Engine operation / check belts	L	
Engine oil / water level	L	
Transmission oil level	-	
Hydraulic / misc. oil level	L	
Brake operation / fluid level	4-	
Grease		
Batteries	سند	
Fuel level (gas / diesel)		F-511
Hoses & fittings (air, hydraulic)	ت ا	
Operation / controls		
Tires / tracks	<u></u>	
Cab (mirrors, seatbelt, glass, horn, turn signals, lights, wipers)	_	
Back-up lights and alarm		
Fire extinguisher condition	L-	
Coupling devices and connectors	H/A	
Exhaust system		
Blade / boom / bucket	~	
Frame, ladders and walkway		
Steering	-	

Defects and Repairs Needed / Comments:



Date 4/7/2017	Ft Bliss Biggs Airfield DAILY SUMMARY
---------------	---------------------------------------

Type of Work	Quantity	Comments	Daily Narrative
- Jpo os oss	Quantity	2.0111101110	Arrived on site 0630, Safety brief conducted by Gerry Hills, 5 attendees. Site specific topics: Hydration, sun
Surface Sweep Transect Linear ft	NA		protection. Completed preparing/packaging of equipment for demobilization. Porta-pots picked up. MDAS picked up for shipment. Site restoration completed, site inspected by Biggs AAF safety officer. Schedule for 4-9-2017: Rolloff to be picked up from site
DGM Transect collected Linear ft	NA		
Point Anomalies Investigated ea.	NA		
Pit/Trench Anomalies Investigated ea.	NA		
Total Industrial debris recovered lbs	NA		
Total Material Documented As Safes (MDAS) recovered today lbs	NA		
Total MPPEH Recovered lb.	NA		
Total MFPEH Recovered Ib.	NA		
Muntions Identified			
MEC found today (ea)	NA		
MEC Turned over today (ea)	3	37mm turned over to EOD team for disposal	
Instructions Received From			
Customer Representative			

10/03/2018



Daily Report	Number:	21003-000	3/026	DAY	Friday	Date:		April 7, 2017				
Project Title:		RI at Biggs AAF (OB/OD Site 1	and SI at Biggs AAI	F OB Site II	Contract No	0.:	W91ZLK-13-D-0003				
			Ft Bliss	, Texas		Task Order	No.:	0003				
Weather:	√ Clear	Partly Cloudy	Doudy		Temperature:	58ºF	Min.	88°F	Max.			
 Wind: Max Wind Spe 	□Calm eed:	√Breeze 22 mph	 Windy	Precipitation: Weati	Rain ner Information S	0 Gource:	Snow www.accu	o weather.com				

umber	Name	Hours	Cumulative Hours	Area of Responsibility	
APE Supe	rvision				
1	George Payne	10.0	240.0	Cape	SUXOS
2	Gerould Hills	10.0	240.0	Cape	UXOSO/UXOQC
3	Temple Coffindaffer	10.0	240.0	Cape	TECH III
4	Gery Base	10.0	240.0	Cape	UXO Tech II
5	Ed Fisher		197.0	Cape	UXO Tech II
6	Dave Cole		154.0	Cape	UXO Tech II
7	Laura Coffindaffer	10.0	240.0	Cape	UXO Escort
8					
9	Bill Butler		220.0	Parsons	Field Technician
10	Brett Lyons		119.0	Parsons	Site/Project Geophysicist
11	Edward Ofoari-asabere		47.0	Parsons	Field Technician
	Total Hours:	50.0	1937.0		
comments	(List any Visitors to Project and	d purpose of Vis	it):		

Description (Make and Model Number)	e	Departure Date	Date of Last Check	Days on Rent	Hours Used	Hours Idle	Hours Repair
Chevy Silverado- White - Cape	3/3/2017	4/7/17	04/06/17	35	3	5	
Chevy Silverado- Black - Cape	3/3/2017	4/7/17	04/06/17	35	3	5	
lissan Titan 4x4 - Parsons	2/28/2017	4/5/17	04/05/17	38	8	0	
ushman Hauler ATV (171478 - Cape)	3/3/2017	4/7/17	04/06/17	35	6	2	
ushman Hauler ATV (168809 - Parsons)	3/1/2017	4/7/17	04/06/17	37	6	2	
ohn Deere 310p Backhoe	3/25/2017	4/6/17	04/06/17	13	2	6	
RTK GPS	2/28/2017	4/5/17	04/04/17	38	0	3	
M61 Portable Array	3/13/2017	4/5/17	04/04/17	26	0	3	
- · · · · · · · · · · · · · · · · · · ·	on and descriptio	n of work perto	rmed by CAPE ar	nd/or Subcor	ntractors. W	/hen network	k analysis
used, identify work by activity number)	<u> </u>		•				
used, identify work by activity number) Notified Shane Offutt, Base Enviror	nmental, to reques	t EOD support to	o pick up three 37r	mm projectile	s recovered	this week. E	OD team
used, identify work by activity number) Notified Shane Offutt, Base Enviror a arrived on site and took possession	nmental, to reques	t EOD support to	o pick up three 37r 348 and Suspect N	mm projectile	s recovered	this week. E	OD team
Notified Shane Offutt, Base Enviror a mived on site and took possession report. EOD incident report will foll	nmental, to reques n of items. COC fo ow after unit comm	t EOD support to orms (DD Form 1 nander's signatur	o pick up three 37r 348 and Suspect N e.	mm projectile MEC Sheet) a	s recovered are included:	this week. E0 as attachmen	OD team It to this
Notified Shane Offutt, Base Enviror a arrived on site and took possession report. EOD incident report will foll b All rental equipment, with the excep	nmental, to reques n of items. COC fo ow after unit comm otion of the trash d	t EOD support to orms (DD Form 1 nander's signatur	o pick up three 37r 348 and Suspect N e.	mm projectile MEC Sheet) a	s recovered are included:	this week. E0 as attachmen	OD team It to this
Notified Shane Offutt, Base Enviror a arrived on site and took possessior report. EOD incident report will foll b All rental equipment, with the excep c MDAS picked up for shipment to re	nmental, to reques n of items. COC fo ow after unit comm otion of the trash d ecycling facility.	t EOD support to orms (DD Form 1 nander's signatur umpster, was rer	o pick up three 37r 348 and Suspect M e. noved from site. [mm projectile MEC Sheet) a	s recovered are included:	this week. E0 as attachmen	OD team It to this
Notified Shane Offutt, Base Enviror a mived on site and took possession report. EOD incident report will foll b All rental equipment, with the excep c MDAS picked up for shipment to re	nmental, to reques n of items. COC fo ow after unit comm otion of the trash d ecycling facility.	t EOD support to orms (DD Form 1 nander's signatur umpster, was rer	o pick up three 37r 348 and Suspect M e. noved from site. [mm projectile MEC Sheet) a	s recovered are included:	this week. E0 as attachmen	OD team It to this
Notified Shane Offutt, Base Environ a mrived on site and took possession report. EOD incident report will foll b All rental equipment, with the except MDAS picked up for shipment to red Biggs AAF airfield safety officer ins	nmental, to reques n of items. COC fo ow after unit comm otion of the trash d ecycling facility.	t EOD support to orms (DD Form 1 nander's signatur umpster, was rer	o pick up three 37r 348 and Suspect M e. noved from site. [mm projectile MEC Sheet) a	s recovered are included:	this week. E0 as attachmen	OD team It to this
a arrived on site and took possession report. EOD incident report will foll b All rental equipment, with the except MDAS picked up for shipment to red Biggs AAF airfield safety officer ins	nmental, to reques n of items. COC fo ow after unit comm otion of the trash d ecycling facility.	t EOD support to orms (DD Form 1 nander's signatur umpster, was rer	o pick up three 37r 348 and Suspect M e. noved from site. [mm projectile MEC Sheet) a	s recovered are included:	this week. E0 as attachmen	OD team It to this

4. Thre	e Phase Control Activities Performed:												
	Definable Features of Work (DFW)	Meetings / Inspections Completed											
	,	Preparatory	Initial	Follow-up									
а	Mobilization and Site Preparation	02/28/17	03/01/17	03/03/17									
b	Vegetation Removal	02/28/17	03/01/17	Task Complete 3-1									
С	DGM Operations	02/28/17	03/01/17	03/08/17									
d	Surface MEC Clearance	02/28/17	03/01/17	03/07/17									
е	Munitions Debris Removal and Disposal	02/28/17	03/01/17	03/08/17									
f	MPPEH Inspection and MD Turn-in	03/09/17	03/10/17	03/14/17									
g	Soil Sampling and Analysis	03/10/17	03/13/17	03/31/17									
h	Anomaly Reacquisition	03/16/17	03/17/17	03/20/17									
i	Subsurface Anomaly Investigation	03/16/17	03/20/17	03/31/17									
j	Demobilization	04/04/17	04/05/17	04/06/17									



Daily Report Number: 21003-0003/026 DAY Friday Date: April 7, 2017

Tests Performed an aboratory Analytica Type of Sample						
	Sample					
		Sample ID No.	Analyses Requested	Date Sent	Matrix	Comments
I	Date		• •	to Lab 03/14/17	00	-
Incremental	03/13/17	OBOD1-SU01-SS-01 OBOD1-SU02-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	-
Incremental	03/13/17		Explosives, MC Metals, PAHs, pH		SO	
Incremental	03/13/17	OBOD1-SU03-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU04-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17	SO	
Incremental	03/14/17	OBOD1-SU05-SS-01	Explosives, MC Metals, PAHs, pH	03/14/17 03/14/17	SO	
Incremental Incremental	03/14/17	OBOD1-SU06-SS-01 OBOD1-SU07-SS-01	Explosives, MC Metals, PAHs, pH Explosives, MC Metals, PAHs, pH	03/14/17	SO SO	MS/MSD
Grab	03/14/17 03/14/17	EB-031417	Explosives, MC Metals, PAHs	03/14/17	W	IVIO/IVIOD
Incremental	03/14/17	OBOD1-AU01-SS-01	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU01-SS-02	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU01-SS-02	PAHs	03/15/17	SO	field triplicate
Incremental	03/15/17	OBOD1-AU02-SS-01	PAHs	03/15/17	SO	MS/MSD
Incremental	03/15/17	OBOD1-AU03-SS-01	PAHs	03/15/17	SO	WONVOD
Incremental	03/15/17	OBOD1-SU08-SS-01	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/15/17	OBOD1-SU08-SS-02	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/15/17	OBOD1-SU08-SS-03	Explosives, MC Metals, PAHs, pH	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-01	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-02	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU01-SS-03	PAHs	03/16/17	SO	field triplicate
Incremental	03/16/17	OB2-SU02-SS-01	PAHs	03/16/17	SO	
Incremental	03/16/17	OB2-SU03-SS-01	PAHs	03/16/17	SO	MS/MSD
Incremental	03/16/17	OBOD1-SU09-SS-01	Explosives, MC Metals, PAHs, Ph	03/16/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-01-12"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-16"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-28"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Discriminant	03/27/17	OBOD1-DF29-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/27/17	SO	
Grab	03/27/17	EB-032717	Explosives, MC Metals, PAHs	03/27/17	W	
Discriminant	03/28/17	0B0D1-DF6-SS-02-14"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-02-52"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-15"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-42"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/28/17	0B0D1-DF6-SS-01-54"	Explosives, MC Metals, PAHs, Ph	03/28/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-10"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-31"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-02-43"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-17"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-47"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF25-SS-03-59"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-13"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-38"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-01-50"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-6"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-24"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/29/17	0B0D1-DF22-SS-02-36"	Explosives, MC Metals, PAHs, Ph	03/29/17	SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-15"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-43"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF18-SS-01-55"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	110/1:05
Discriminant	03/30/17	0B0D1-DF20-SS-01-17"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	MS/MSD - Duplica
Discriminant	03/30/17	0B0D1-DF20-SS-01-34"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-01-46"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-8"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO	1
Discriminant	03/30/17	0B0D1-DF20-SS-02-28"	Explosives, MC Metals, PAHs, Ph	03/30/17	SO SO	
Discriminant	03/30/17	0B0D1-DF20-SS-02-40"	Explosives, MC Metals, PAHs, Ph	03/30/17 03/30/17	SO	Dlind Doubles
Discriminant	03/30/17	0B0D1-DF20-SS-03-8"	Explosives, MC Metals, PAHs, Ph		SO	Blind Duplicate
Discriminant Discriminant	03/30/17 03/31/17	0B0D1-DF20-SS-04-17" 0B0D1-DF17-SS-02-16"	Explosives, MC Metals, PAHs, Ph Explosives, MC Metals, PAHs, Ph	03/30/17 03/31/17	SO SO	Blind Duplicate MS/MSD
Discriminant	03/31/17	0B0D1-DF17-SS-02-16 0B0D1-DF17-SS-02-44"	Explosives, MC Metals, PAHs, Ph	03/31/17	SO	IVIO/IVIOU
Discriminant	03/31/17	0B0D1-DF17-SS-02-44 0B0D1-DF17-SS-02-56"	Explosives, MC Metals, PAHs, Ph	03/31/17	SO	
Discriminant	04/03/17	0B0D1-DF17-33-02-30 0B0D1-DF9-SS-01-15"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF9-SS-01-42"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF9-SS-01-54"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-02-12"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-02-36"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-02-48"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	
Discriminant	04/03/17	0B0D1-DF14-SS-03-12"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	Blind Duplicate
Discriminant	04/03/17	0B0D1-DF14-SS-04-48"	Explosives, MC Metals, PAHs, Ph	04/03/17	SO	Blind Duplicate
Discriminant	04/04/17	0B0D1-DF2-SS-01-13"	Explosives, MC Metals, PAHs, Ph	04/04/17	SO	MS/MSD
Discriminant	04/04/17	0B0D1-DF2-SS-01-38"	Explosives, MC Metals, PAHs, Ph	04/04/17	SO	0/1110D
Discriminant	04/04/17	0B0D1-DF2-SS-01-50"	Explosives, MC Metals, PAHs, Ph	04/04/17	SO	
Incremental	04/05/17	0B2-SU01-SS-01	Explosives, MC Metals, Ph	04/05/17	SO	
Incremental	04/05/17	0B2-SU01-SS-02	Explosives, MC Metals, Ph	04/05/17	SO	
	04/05/17	0B2-SU01-SS-03	Explosives, MC Metals, Ph	04/05/17	SO	
incremental						
Incremental Incremental	04/05/17	0B2-SU02-SS-01	Explosives, MC Metals, Ph	04/05/17	SO	



Daily Rep	ort Number:		21003-00	03/026	DAY	Friday	Date:	ļ.	April 7, 2017					
								•						
	tions Perform													
	a / Work Elei				of Inspection or		ins		(Accept / Reject)					
Demo	obilization and	d Site Resto	ration	OBC	OD Site 1 and OE	3 Site 2		Acce	ept					
7. Materia	al Received:	(Note Insp	ection resu	ilts and storage	provided\									
		(1		Inspection						
								Results						
14			Unit of		Cumulative			(Accept or	Complies with Buy					
Item	Descri	ption	Measure	Daily Quantity	Quantity	Storage Pro	vided	Reject)	American Act					
а	None								l/esNo					
b									∐resNo					
С									∐Yes □No					
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	ortation and ardous Tran				ne Steer, and Go	vernment Propert	y.							
	te Type		Volum e		tive Total	Transpo	rter	Dis	posal Facility					
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	ble Material				4: T -4-1		4		-1-1 F 114					
	rial Type	Dally	Volume	Cumuia	tive Total	Transpo	πer	Red	eiving Facility					
IN.	lone													
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			ed, results,	instructions, ar	nd corrective ac	tions taken)								
	ons Conduct	ted:												
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Vehicles Fire Exting	wichorc	X	Electrical C Heavy Equ		X									
						mised equipment	etc.							
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Maria	41.441				142	M VES								
were all	activities co	nauctea in	accordanc	ce with EM 385-1	1-1?	X YES								
10 Rema	rke: (Instruc	tions recei	ved or nive	n Conflicts in	Plans and/or Sn	ecifications. Dela	VS ANCOU	ntered\						
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		: (List anti	cipated fiel	ld activities for r	next day of work	()								
Operations	complete.													



Daily Report Number:	21003-0003/026	DAY	F	riday	Date:	April 7, 2017				
12. Safety Hours:										
Daily safety hours inclu	iding CAPE and Subcontractors:	50.0	Nun	nber of On-s	site Workdays:			26		
Cumulative safety hou	rs to date:	1937.0	Cale	endar Days	since Start of V	/ork:		39		

Contractor's Verification: On behalf of the Contractor, I certify that this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except (b) (6)

7-Apr-17
Date

7-Apr-17 Date



TAILGATE SAFETY MEETING RECORD

Day / Date: Friday, April 07, 2017 Time: 0630

Project Name: RI at Biggs OB/OD Site I and SI at Biggs OB
Project Number: W91ZLK-13-D-0003

Site II

Client: Ft. Bliss

Location: Ft. Bliss, Texas

Specific Location: Biggs AAF, El Paso, Texas

Work Description: Site Clean-up, Equipment Inventory and Packing, Rental Equipment Turn In

Comments:

SAFETY TOPICS PRESENTED

Protective Clothing / Equipment: PPE Level D.

Chemical Hazards: SDS on file with UXOSO

Physical Hazards:

- 1. Slips, trips and falls.
- 2. Material Handling
- 3. Don't Text in a Work Zone (Corporate)

Emergency Procedures: Notify SUXOS and UXOSO immediately. Emergency medical assistance is requested through Base Operations Radio.

Emergency Hospital: William Beaumont Army Medical Center

Hospital Telephone: (915) 742-2121

Hospital Directions: Copy in each vehicle

Special Equipment:

Other: HYDRATE!

- 1. Driving Safety
- 2. Good housekeeping and hygiene.
- 3. Report all injuries to UXOSO, no matter how small they may be.

(b) (6)	EETING ATTENDEES
	Name Printed / Initial
	8.
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	10.
	11.
	12.
	13.
	(b) (6)
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320-1 SITE CONTROL LOG (SCL)

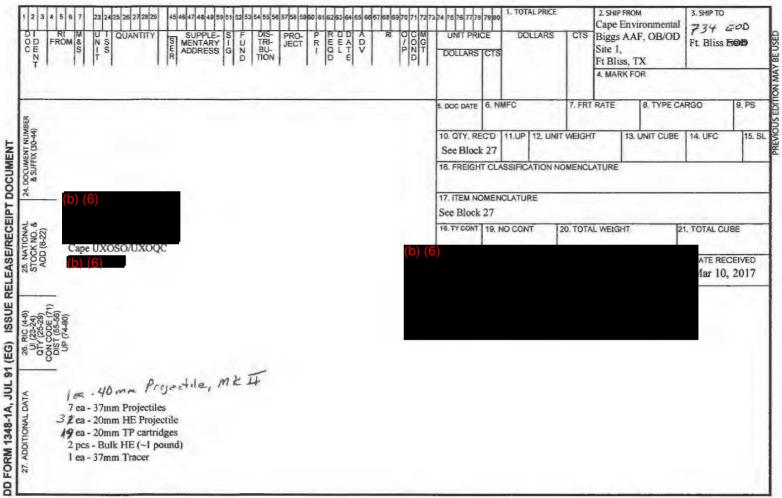
Contract Number:	W91ZLK-13-D-0003	Task Order No:	0003
CAPE Project Number:	21003.003	Date:	April 7, 2017
Project Location:	Ft.Bliss, TX		
Project Description:	RI at Biggs OB/OD Site I and SI at Biggs (OB Site II	

	ME	b) (6)	
IN II	OUT	5) (5)	ORGANIZATION
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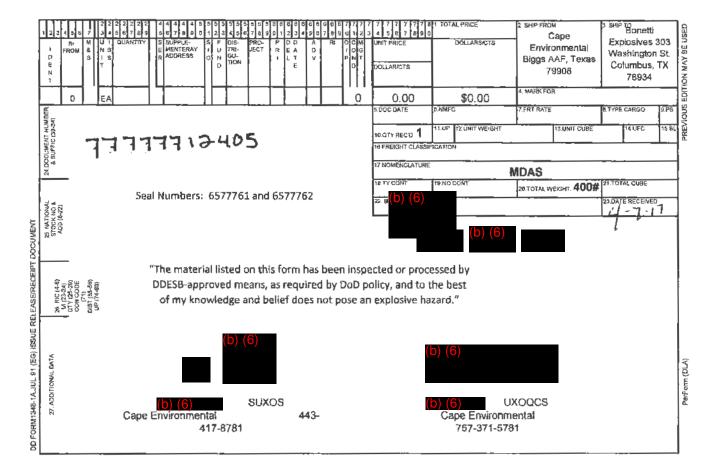
CAPE Form 320-1, Revised January, 2009

MEC Accountability Log Inventory of Munitions Recovered from OB/OD Site 1 and OB Site 2, Biggs AAF, Ft. Bliss, Texas

MEC Accountability Log														
			Suspect MEC		, ,		Quantity	Item Safe to						
Item Number	Date Recovered	Location	Sheet Number	Depth	Description of Item	Condition	Recovered	Move	Date of Disposal	Comments				
1	3/10/2017	OBOD Site 1, Area 1	1	0	37mm Projectile, M54	Unfired	1	Yes	3/10/2017	Turned over to 734 EOD				
2 - 6	3/10/2017	OBOD Site 1, Area 1	2	0	37mm Projectile, T324E23	Unfired	5	Yes	3/10/2017	Turned over to 734 EOD				
7	3/10/2017	OB2	3	0	40mm Projectile, Mk2	Fired	1	Yes	3/10/2017	Turned over to 734 EOD				
8 - 26	3/10/2017	OBOD Site 1, Area 1	4	0	20mm Cartridge, TP, M99	Unfired	19	Yes	3/10/2017	Turned over to 734 EOD				
27	3/10/2017	OBOD Site 1, Area 1	5	0	37mm Projectile, M54	Unfired	1	Yes	3/10/2017	Turned over to 734 EOD				
28	3/10/2017	OBOD Site 1, Area 1	6	0	Bulk HE (~1 pound)	N/A	1	Yes	3/10/2017	Turned over to 734 EOD				
29	3/10/2017	OBOD Site 1, Area 1	7	0	20mm Projectile, HEI, M97	Unfired	1	Yes	3/10/2017	Turned over to 734 EOD				
30	3/10/2017	OBOD Site 1, Area 1	8	0	Tracer for 37mm T324E23	N/A	1	Yes	3/10/2017	Turned over to 734 EOD				
31 - 32	3/10/2017	OBOD Site 1, Area 1	9	0	20mm Projectile, HEI, M97	Unfired	2	Yes	3/10/2017	Turned over to 734 EOD				
33	4/4/2017	OBOD Site 1, Area 1	10	0	37mm Projectile, T324E23	Unfired	1	Yes						
34 - 35	4/5/2017	OBOD Site 1, 02-02	11	1	37mm Projectile, T324E23	Unfired	2	Yes						
						Total	35							



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FREIGHT CHARGES ARE PREPAID ON THIS BILL OF LADING UNLESS MARKED COLLECT



OLD DOMINION FREIGHT LINE, INC
PHONE: 800-432-6335 WEB: WWW.odfl.com
INTERNET STRAIGHT BILL OF LADING ORIGINAL - NOT NEGOTIABLE

Page 1 of 1

FREIGHT CHARGES: Prepaid

DATE: 04/07/2017



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AMERIO 2911 H. BUTTE USA I	CAN EO ARVARI , MT 597	D SERVICES INC) AVE 701 3-621-3689	KEMII 10	(COD):		the carı this frei	consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful changes.					
							(Signatur	e of Consignor)				
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arrier's gent ertifies that beled, desti ontents of p ie NMF 100 o orporation in s route, oth vent be liabl ons equentia OTE-Where the	eral offices; the consign ned as indic ackages unl Series. Cam n possession erwise to de le for loss of I damages. he rate is dep of the proper	all of which are in effect as of the date of issue of it ed merchandise is properly weighed, classified, de ated, in apparent good order except as noted (cor grown), and in proper condition for transportation rier (Carrier defined throughout this contract as in of the property under this contract) agrees to call iliver to another carrier on the route to said destin iprofit income, interest attorney fees, or any spee endent on value, shippers are required to attate specifica by. Noting a value is not a request for Additional Cargo L. of the property is hereby specifically stated by the ship	his Bill of Lading. Shipper scribed, packaged, marked, tents and conditions of according to the DOT and eaning any person or ry to said destination if on aton. Carrier shall in no cial, incidental or	A, ASSESSONIAL SERVISES REGISTED								
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APPENDIX C PHOTODOCUMENTATION LOG



320-14A - PHOTO RECORD

Contract Number:	W91ZLK-13-D-0003	Task Order No:	0003			
CAPE Project No.:	21003.0003	Date:	3-Mar-17			
Project Location:	Ft.Bliss, Texas					

Description:		DATE TAKEN:	3-Mar-17
	UXO Team escortin	ng surveyor setting boundary/tra	nsect stakes at Site I OB/OD area.
(b) (6)			



APPENDIX D ANALYTICAL DATA

The entire analytical data packages, in PDF format, for FA42100, FA42152 and FA42817 are provided here in the electronic format only.

Fort Bliss El Paso, Texas Biggs Army Airfield OB/OD Site I and OB Site II

						ated Data Summa	i y ioi inclementar	oon oumples o	Onected Maich a	па Артп 2017							
	SITE:				Ambient Location							Biggs O	B Site II				
	LOCATION:	PROJECT		OBOD1-AU01		OBOD1-AU02	OBOD1-AU03				2-SU01				2-SU02		2-SU03
	SAMPLE ID:	ACTION	OBOD1-AU01-SS-01				OBOD1-AU03-SS-01				OB2-SU01-SS-02*	OB2-SU01-SS-03*	OB2-SU01-SS-03*				
DATE	SAMPLED:	LIMIT ^[1]	03/15/2017	03/15/2017	03/15/2017	03/15/2017	03/15/2017	03/16/2017	04/05/2017	03/16/2017	04/05/2017	03/16/2017	04/05/2017	03/16/2017	04/05/2017	03/16/2017	04/05/2017
LAB	SAMPLE ID:		FA42100-1	FA42100-2	FA42100-3	FA42100-4	FA42100-5	FA42152-4	FA42817-1	FA42152-5	FA42817-2	FA42152-6	FA42817-3	FA42152-7	FA42817-4	FA42152-8	FA42817-5
SAMPLE DEF	PTH (ft bgs):		0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
	Units																
Polynuclear Aromatic Hydrocarbons - SW8270D-SI																	
1-Methylnaphthalene 2-Methylnaphthalene	mg/Kg mg/Kg	1.5 8.5	0.034 0.034	U 0.033 L U 0.033 L	J 0.033 U J 0.033 U	0.034 U 0.034 U	0.034 L 0.034 L	J 0.033 L J 0.033 L		0.033 L 0.033 L	-	0.033 U 0.033 U	-	0.033 U	-	0.033 U	
2-wetriyinaprimaiene Acenaphthene	mg/Kg	20	0.034	U 0.033 L	0.033 U	0.034 U	0.034 L	J 0.033 L	-	0.033 L	-	0.033 U	-	0.033		0.033 L	_
Acenaphthylene	mg/Kg	120	0.034	U 0.033 L	J 0.033 U	0.034 U	0.034 L	J 0.033 L	1 -	0.033 L	1 -	0.033 U	1 -	0.033		0.033 L	1 -
Anthracene	mg/Kg	6.8	0.034	U 0.033 L	0.033 U	0.034 U	0.034 L	J 0.033 L	i -	0.033 L		0.033 U		0.033		0.033 U	i -
Benzo(a)anthracene	mg/Kg	0.80	0.0034	J 0.0066 L	0.0065 U	0.0068 U	0.0045	0.0035	il	0.0067 L		0.0067 U	-	0.0035		0.0034	
Benzo(a)pyrene	mg/Kg	0.56	0.0047	J 0.0051	0.0065 U	0.0068 U	0.0056	0.0046	i	0.0042	i	0.0038 J		0.0045	J	0.0057	j
Benzo(b)fluoranthene	mg/Kg	5.7	0.0084	J 0.0098 .	J 0.0060 J	0.0058 J	0.010	0.0080		0.0073		0.0066 J		0.0083	J	0.010	j
Benzo(g,h,i)perylene	mg/Kg	24	0.0042	J 0.0054	0.0065 U	0.0068 U	0.0051	J 0.0043 .	j	0.0036		0.0034 J		0.0047	J	0.0052	J
Benzo(k)fluoranthene	mg/Kg	57	0.0068	U 0.0066 L	0.0065 U	0.0068 U	0.0038	J 0.0066 L	J	0.0067 L	J	0.0067 U		0.0066	U	0.0033	J
Chrysene	mg/Kg	2.4	0.0056	J 0.0063 .	J 0.0038 J	0.0038 J	0.0065	J 0.0055 .	J	0.0046 J		0.0045 J		0.0054	J	0.0066	J
Dibenz(a,h)anthracene	mg/Kg	0.55	0.0068	U 0.0066 L	J 0.0065 U	0.0068 UJ	0.0068 L	J 0.0066 L	J	0.0067 L	J	0.0067 U		0.0066 U	J	0.0067 L	J
Fluoranthene	mg/Kg	10	0.034	U 0.033 L	0.033 U	0.034 U	0.034 L	J 0.033 L	J	0.033 L	J	0.033 U		0.033 U	U	0.033 L	J
Fluorene	mg/Kg	30	0.034	U 0.033 L	0.033 U	0.034 U	0.034 L	J 0.033 L	J	0.033 L	J	0.033 U		0.033 U	U	0.033 L	J
Indeno(1,2,3-cd)pyrene	mg/Kg	5.7	0.0041	J 0.0055	0.0065 U	0.0068 U	0.0053	J 0.0048 .	J	0.0036 J	J	0.0037 J	-	0.0051	J	0.0057	J
Naphthalene	mg/Kg	1.0	0.034	U 0.033 L	0.033 U	0.034 U	0.034 L	J 0.033 L	J	0.033 L	J	0.033 U		0.033 U	U	0.033 L	J
Phenanthrene	mg/Kg	5.5	0.034	U 0.033 L	J 0.033 U	0.034 U	0.034 L	J 0.033 L	J	0.033 L	J	0.033 U	-	0.033 U	J	0.033 L	J
Pyrene	mg/Kg	10	0.034	U 0.033 L	J 0.033 U	0.034 UJ	0.034 L	J 0.033 L	J -	0.033 L	-	0.033 U	-	0.033	J	0.033 L	J
Explosives - SW8330B																	
1,3,5-Trinitrobenzene	mg/Kg	0.91	-	-	-		-	-	0.075 L	J	0.075 U	-	0.075 L	J	0.075 L		0.075 U
1,3-Dinitrobenzene	mg/Kg	0.10	-	-	-		-	-	0.075 L	J	0.075 U		0.075 L	J	0.075 L		0.075 U
2,4,6-Trinitrotoluene (TNT)	mg/Kg	0.10	-	-	-		-		0.075 L	J	0.075 U		0.075 L	J	0.075 L		0.075 U
2,4-Dinitrotoluene	mg/Kg	0.10	-	-	-		-		0.075 L	J	0.075 U		0.075 L	J	0.075 L		0.075 L
2,6-Dinitrotoluene	mg/Kg	0.10	-	-	-		-	-	0.075 L	J	0.075 U		0.075 L	J	0.075 L	-	0.075 L
2-Amino-4,6-dinitrotoluene	mg/Kg	0.10	-	-	-		-	-	0.075 L	J	0.075 U		0.075 L	J	0.075 L		0.075 L
2-Nitrotoluene	mg/Kg	0.10	-	-	-		-	-	0.075 L	J	0.075 U		0.075 L	J	0.075 L		0.075 L
3-Nitrotoluene	mg/Kg	0.92	-	-	-		-	-	0.075 L	J	0.075 U	-	0.075 L	J	0.075 L		0.075 L
4-Amino-2,6-dinitrotoluene	mg/Kg	0.10	-	-	-		-	-	0.075 U	IJ	0.075 U.	-	0.075 U	J	0.075 U		0.075 U
4-Nitrotoluene	mg/Kg	0.22	-	-	-		-	-	0.075 L	-	0.075 U		0.075 L	-	0.075 L		0.075 U
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	mg/Kg	0.10	-	-	-		-	-	0.075 L 0.075 U	-	0.075 U 0.075 U	-	0.075 L 0.075 U		0.075 L 0.075 U		0.075 U 0.075 U
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	mg/Kg	0.28	-	-	-		-	-		IJ				J			
Nitrobenzene Nitroglycerin	mg/Kg mg/Kg	0.18 1.0	_	_	_		_	_	0.075 L 0.50 L		0.075 U 0.50 U	-	0.075 L 0.50 L	1 -	0.075 L 0.50 L		0.075 U 0.50 U
Nitrogrycerin Octahydro-1.3.5.7-tetranitro-1.3.5.7-tetrazocine (HMX)		1.0	_	_	_			_	0.50 L		0.50 U		0.50 C		0.50 L		0.50 U
Pentaerythritol Tetranitrate (PETN)	mg/Kg mg/Kg	6.2	_	_	_				0.50 L	í I	0.50 U		0.50 L	, ,	0.50 L	Ξ.	0.50 U
Metals - SW6010C Aluminum	mg/Kg	64,000	_	_			_	_	5.420	1 _	5.420	_	4.850		5.080	_	4,650 J
Antimony	mg/Kg	2.7	1 - 2			-		1 1	0.098		0.24 U		0.17 L		0.18 L		0.066
Copper	mg/Kg	70		_			_		8.7	´	8.3		7.5		7.6		6.8
Lead	mg/Kg	1.5	_	_	_		-	-	12.4	-	12.1		12.2		12.3	-	10.4
Zinc	mg/Kg	120	-	-	-	-	-	-	21.5	-	21.4		18.6	-	18.7		17.2
											1						
pH - SW9045D	nH units	NA			1				7.64	_	7.53		7.73		7.84		7.51

QA NOTES AND DATA QUALIFIERS:

UN CODE) - Confirmed identification.

U - Analyte was analyzed for but not detected above the reported limit of detection (LOD).

U - Analyte was analyzed for but not detected above the reported limit of detection (LOD).

U - Analyte of detected, reported LOD may be inaccurate or imprecise.

J - Analyte detected, estimated concentration.

- Field triplicate sample.

Detections are bolded.

Detections above the PAL are highlighted.

[1] Project Action Limits are the most conservative screening value among the applicable Human Health Screening Values (TCEQ TRRP Tier 1, 30-acre source area Residential Soil PCLs and Tier 1, 30-acre source area Residential Protection of Groundwater PCLs: http://www.toe.acreening.values (TCEQ Ecological Risk Assessment Program, Draft Conducting Ecological Risk Assessment Program, Draft Conducting Ecological Risk Assessments at Remediation Sites in Texas, Table 3.4 using lowest value of earthworm and plant. Revised an 2014 Risk Sci. Shitts/loww.toe.discovier.com/discovier.discovier.gives.discovier.di

mg/kg - milligrams per kilogram. ft bgs -feet below ground surface.